

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : NJ DRINKING WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q2552

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2552

Project ID : NJ Drinking Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q2552-01
Q2552-02
Q2552-03
Q2552-04
Q2552-05
Q2552-06
Q2552-07
Q2552-08
Q2552-09
Q2552-10
Q2552-11

Client Sample Number

WS0725-PT-TURB-WS
WS0725-PT-TURB-WS
WS0725-PT-MIN-WS
WS0725-PT-TM-WS
WS0725-PT-HG-WS
WS0725-PT-SIO2-WS
WS0725-PT-RVOA-WS
WS0725-PT-UNRVOA-WS
WS0725-PT-THM-WS
WS0725-PT-ADD-WS
WS0725-PT-EDBCP-WS

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Drinking Water PT

Project # N/A

Order ID # Q2552

Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:

1 Water sample was received on 07/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group2 was based on method 524.2.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD for {VU0718WBSD02} with File ID: VU063536.D met criteria except for 1,2-Dichloroethane[29%], 2-Butanone[33%], 2-Hexanone[27%], Acetone[69%] and Benzene[29%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate for {VU0718WBSD02} with File ID: VU063536.D met requirements for all compounds except for 2-Butanone[154%], 2-Hexanone[131%] and Acetone[209%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (524U071625DW.M) Iodomethane this compound is passing on Linear Regression and 1,2-Dibromo-3-Chloropropane these compounds are passing on Quadratic Regression.



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Phone: 908 789 8900 Fax: 908 789 8922

The Continuous Calibration File ID VU063532.D met the requirements except for 2-Butanone and Acetone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample WS0725-PT-UNRVOA-WS was diluted due to high concentration.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2552

MATRIX: Water

METHOD: 524.2

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (524U071625DW.M) Iodomethane this compound is passing on Linear Regression and ,1,2-Dibromo-3- Chloropropane these compounds are passing on Quadratic Regression. The Continuous Calibration File ID VU063532.D met the requirements except for 2- Butanone and Acetone are failing high but no positive hit in associate sample therefore no corrective action taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate for {VU0718WBSD02} with File ID: VU063536.D met requirements for all compounds except for 2-Butanone[154%], 2-Hexanone[131%] and Acetone[209%] are failing high but no positive hit in associate sample therefore no corrective action taken. The RPD for {VU0718WBSD02} with File ID: VU063536.D met criteria except for 1,2-Dichloroethane[29%], 2-Butanone[33%], 2-Hexanone[27%], Acetone[69%] and Benzene[29%] due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
10. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample WS0725-PT-UNRVOA-WS was diluted due to high concentration.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2552

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/01/2025

LAB CHRONICLE

OrderID:	Q2552	OrderDate:	7/9/2025 3:45:00 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Drinking Water PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2552-07	WS0725-PT-RVOA-WS	Water	VOCMS Group1	524.2	07/07/25		07/17/25	07/09/25
Q2552-07DL	WS0725-PT-RVOA-WS DL	Water	VOCMS Group1	524.2	07/07/25		07/18/25	07/09/25
Q2552-08	WS0725-PT-UNRVOA-WS	Water	VOCMS Group2	524.2	07/07/25		07/18/25	07/09/25
Q2552-08DL	WS0725-PT-UNRVOA-WS DL	Water	VOCMS Group2	524.2	07/07/25		07/18/25	07/09/25
Q2552-09	WS0725-PT-THM-WS	Water	VOCMS Group4	524.2	07/07/25		07/17/25	07/09/25
Q2552-09DL	WS0725-PT-THM-WS L	Water	VOCMS Group4	524.2	07/07/25		07/17/25	07/09/25
Q2552-10	WS0725-PT-ADD-WS	Water	VOCMS Group3	524.2	07/07/25		07/17/25	07/09/25
Q2552-10DL	WS0725-PT-ADD-WS L	Water	VOCMS Group3	524.2	07/07/25		07/17/25	07/09/25
Q2552-11	WS0725-PT-EDBCP-WS	Water	VOCMS Group5	524.2	07/07/25		07/21/25	07/09/25

Hit Summary Sheet
SW-846

SDG No.: Q2552

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WS0725-PT-UNRVOA-WS							
Q2552-08	WS0725-PT-UNRV Water		Bromomethane	4.60		0.15	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Trichlorofluoromethane	40.5	E	0.20	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Methyl tert-Butyl Ether	39.0	E	0.11	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,1-Dichloroethane	6.50		0.13	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		2,2-Dichloropropane	10.9		0.12	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Bromochloromethane	14.8		0.17	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,1-Dichloropropene	16.0	E	0.11	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Dibromomethane	13.1		0.15	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		t-1,3-Dichloropropene	10.4		0.11	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		cis-1,3-Dichloropropene	13.4		0.11	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,3-Dichloropropane	3.10		0.12	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,1,1,2-Tetrachloroethane	13.2		0.13	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Isopropylbenzene	6.80		0.38	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,1,2,2-Tetrachloroethane	11.9		0.13	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,2,3-Trichloropropane	8.10		0.19	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Bromobenzene	3.70		0.13	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		n-propylbenzene	15.8	E	0.42	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		2-Chlorotoluene	2.50		0.27	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,3,5-Trimethylbenzene	4.10		0.37	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		4-Chlorotoluene	5.20		0.27	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		tert-Butylbenzene	3.80		0.37	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,2,4-Trimethylbenzene	3.50		0.40	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		sec-Butylbenzene	11.1		0.36	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		p-Isopropyltoluene	15.3	E	0.42	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,3-Dichlorobenzene	5.30		0.13	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		n-Butylbenzene	10.0		0.43	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Hexachlorobutadiene	29.6	E	0.14	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Naphthalene	8.10		0.33	1.00	ug/L
Q2552-08	WS0725-PT-UNRV Water		1,2,3-Trichlorobenzene	19.2	E	0.31	0.50	ug/L
Q2552-08	WS0725-PT-UNRV Water		Iodomethane	2.00		0.090	1.00	ug/L
Total Voc :					352			
Total Concentration:					352			
Client ID:	WS0725-PT-UNRVOA-WSDL							
Q2552-08DL	WS0725-PT-UNRV Water		Bromomethane	5.70	D	0.75	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV Water		Trichlorofluoromethane	47.7	D	1.00	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV Water		Methyl tert-Butyl Ether	47.5	D	0.55	2.50	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2552

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2552-08DL	WS0725-PT-UNRV	Water	1,1-Dichloroethane	8.20	D	0.65	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	2,2-Dichloropropane	12.7	D	0.60	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Bromochloromethane	18.5	D	0.85	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,1-Dichloropropene	19.0	D	0.55	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Dibromomethane	15.4	D	0.75	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	t-1,3-Dichloropropene	10.2	D	0.55	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	cis-1,3-Dichloropropene	13.3	D	0.55	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,3-Dichloropropane	3.70	D	0.60	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,1,1,2-Tetrachloroethane	14.6	D	0.65	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Isopropylbenzene	7.70	D	1.90	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,1,2,2-Tetrachloroethane	14.2	D	0.65	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,2,3-Trichloropropane	10.9	D	0.95	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Bromobenzene	4.40	D	0.65	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	n-propylbenzene	17.4	D	2.10	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	2-Chlorotoluene	2.70	D	1.40	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,3,5-Trimethylbenzene	4.60	D	1.90	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	4-Chlorotoluene	5.90	D	1.40	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	tert-Butylbenzene	4.20	D	1.90	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,2,4-Trimethylbenzene	3.80	D	2.00	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	sec-Butylbenzene	11.8	D	1.80	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	p-Isopropyltoluene	16.1	D	2.10	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,3-Dichlorobenzene	6.40	D	0.65	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	n-Butylbenzene	11.8	D	2.20	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Hexachlorobutadiene	34.4	D	0.70	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Naphthalene	14.9	D	1.70	5.00	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	1,2,3-Trichlorobenzene	27.9	D	1.60	2.50	ug/L
Q2552-08DL	WS0725-PT-UNRV	Water	Iodomethane	5.90	D	0.47	5.00	ug/L
Total Voc :					422			
Total Concentration:					422			



QC SUMMARY

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Surrogate Summary

SDG No.: Q2552

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW524.2

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2552-08	WS0725-PT-UNRVOA-WS	1,2-Dichlorobenzene-d4	1	0.92	92		70	130
		4-Bromofluorobenzene	1	0.82	82		70	130
Q2552-08DL	WS0725-PT-UNRVOA-WSDL	1,2-Dichlorobenzene-d4	1	1.05	105		70	130
		4-Bromofluorobenzene	1	1.00	100		70	130
VU0718WBL01	VU0718WBL01	1,2-Dichlorobenzene-d4	1	0.72	72		70	130
		4-Bromofluorobenzene	1	0.79	79		70	130
VU0718WBS02	VU0718WBS02	1,2-Dichlorobenzene-d4	1	1.05	105		70	130
		4-Bromofluorobenzene	1	1.03	103		70	130
VU0718WBSD0	VU0718WBSD02	1,2-Dichlorobenzene-d4	1	1.06	106		70	130
		4-Bromofluorobenzene	1	1.04	104		70	130

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2552 Analytical Method: SW524.2
Client: Alliance Technical Group, LLC - New Datafile : VU063535.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0718WBS02	Dichlorodifluoromethane	2	1.90	ug/L	95			70	130	
	Chloromethane	2	2.10	ug/L	105			70	130	
	Vinyl Chloride	2	2.10	ug/L	105			70	130	
	Bromomethane	2	2.30	ug/L	115			70	130	
	Chloroethane	2	2.20	ug/L	110			70	130	
	Tetrahydrofuran	4	4.80	ug/L	120			70	130	
	Trichlorofluoromethane	2	2.20	ug/L	110			70	130	
	1,1,2-Trichloro-1,2,2-trifluoroethane	2	2.20	ug/L	110			70	130	
	tert-Butyl Alcohol	20	20.7	ug/L	104			70	130	
	Diethyl Ether	2	2.30	ug/L	115			70	130	
	1,1-Dichloroethene	2	2.20	ug/L	110			70	130	
	Acrylonitrile	4	4.00	ug/L	100			70	130	
	Acetone	10	10.2	ug/L	102			70	130	
	Carbon disulfide	2	1.80	ug/L	90			70	130	
	Methyl tert-butyl Ether	2	2.20	ug/L	110			70	130	
	Methyl acrylate	2	2.10	ug/L	105			70	130	
	Methylene Chloride	2	2.20	ug/L	110			70	130	
	trans-1,2-Dichloroethene	2	2.10	ug/L	105			70	130	
	1,1-Dichloroethane	2	2.20	ug/L	110			70	130	
	Cyclohexane	2	2.20	ug/L	110			70	130	
	2-Butanone	10	11.0	ug/L	110			70	130	
	Carbon Tetrachloride	2	2.00	ug/L	100			70	130	
	2,2-Dichloropropane	2	2.00	ug/L	100			70	130	
	cis-1,2-Dichloroethene	2	2.20	ug/L	110			70	130	
	Bromochloromethane	2	2.20	ug/L	110			70	130	
	Chloroform	2	2.30	ug/L	115			70	130	
	1,1,1-Trichloroethane	2	2.10	ug/L	105			70	130	
	Methylcyclohexane	2	1.80	ug/L	90			70	130	
	1,1-Dichloropropene	2	2.20	ug/L	110			70	130	
	Propionitrile	10	11.1	ug/L	111			70	130	
	Benzene	2	1.80	ug/L	90			70	130	
	1,2-Dichloroethane	2	1.80	ug/L	90			70	130	
	Trichloroethene	2	1.90	ug/L	95			70	130	
	1,2-Dichloropropane	2	1.90	ug/L	95			70	130	
	1-Chlorobutane	2	2.00	ug/L	100			70	130	
	Dibromomethane	2	2.00	ug/L	100			70	130	
	Bromodichloromethane	2	1.80	ug/L	90			70	130	
	4-Methyl-2-Pentanone	10	10.5	ug/L	105			70	130	
	Toluene	2	2.00	ug/L	100			70	130	
	t-1,3-Dichloropropene	2	1.50	ug/L	75			70	130	
	cis-1,3-Dichloropropene	2	1.60	ug/L	80			70	130	
	1,1,2-Trichloroethane	2	2.10	ug/L	105			70	130	
	1,3-Dichloropropane	2	2.10	ug/L	105			70	130	
	2-Hexanone	10	10.0	ug/L	100			70	130	
	Dibromochloromethane	2	1.60	ug/L	80			70	130	
	1,2-Dibromoethane	2	1.90	ug/L	95			70	130	
	Tetrachloroethene	2	1.90	ug/L	95			70	130	
	Chlorobenzene	2	2.00	ug/L	100			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2552 Analytical Method: SW524.2
Client: Alliance Technical Group, LLC - New Datafile : VU063535.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0718WBS02	1,1,1,2-Tetrachloroethane	2	1.70	ug/L	85			70	130	
	Hexachloroethane	2	1.50	ug/L	75			70	130	
	Ethyl Benzene	2	1.90	ug/L	95			70	130	
	m/p-Xylenes	4	3.90	ug/L	98			70	130	
	o-Xylene	2	2.00	ug/L	100			70	130	
	Styrene	2	2.00	ug/L	100			70	130	
	Bromoform	2	1.40	ug/L	70			70	130	
	Isopropylbenzene	2	2.00	ug/L	100			70	130	
	1,1,2,2-Tetrachloroethane	2	2.00	ug/L	100			70	130	
	1,2,3-Trichloropropane	2	2.00	ug/L	100			70	130	
	Bromobenzene	2	1.90	ug/L	95			70	130	
	N-propylbenzene	2	2.00	ug/L	100			70	130	
	2-Chlorotoluene	2	1.90	ug/L	95			70	130	
	1,3,5-Trimethylbenzene	2	1.90	ug/L	95			70	130	
	4-Chlorotoluene	2	2.00	ug/L	100			70	130	
	tert-Butylbenzene	2	2.00	ug/L	100			70	130	
	1,2,4-Trimethylbenzene	2	2.00	ug/L	100			70	130	
	Sec-butylbenzene	2	2.00	ug/L	100			70	130	
	p-Isopropyltoluene	2	2.00	ug/L	100			70	130	
	1,3-Dichlorobenzene	2	2.00	ug/L	100			70	130	
	1,4-Dichlorobenzene	2	2.00	ug/L	100			70	130	
	n-Butylbenzene	2	2.00	ug/L	100			70	130	
	1,2-Dichlorobenzene	2	2.00	ug/L	100			70	130	
	1,2-Dibromo-3-Chloropropane	2	1.90	ug/L	95			70	130	
	1,2,4-Trichlorobenzene	2	1.90	ug/L	95			70	130	
	Hexachlorobutadiene	2	1.90	ug/L	95			70	130	
	Naphthalene	2	2.00	ug/L	100			70	130	
	1,2,3-Trichlorobenzene	2	2.00	ug/L	100			70	130	
	Iodomethane	2	1.90	ug/L	95			70	130	
	Allyl Chloride	2	2.00	ug/L	100			70	130	
	Methacrylonitrile	2	2.00	ug/L	100			70	130	
	Methyl methacrylate	4	3.70	ug/L	93			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q2552	SW-846		Analytical Method:		SW524.2
Client:		Alliance Technical Group, LLC - New	Datafile :		VU063536.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0718WBSD02	Dichlorodifluoromethane	2	2.10	ug/L	105	10		70	130	20
	Chloromethane	2	2.20	ug/L	110	5		70	130	20
	Vinyl Chloride	2	2.20	ug/L	110	5		70	130	20
	Bromomethane	2	2.40	ug/L	120	4		70	130	20
	Chloroethane	2	2.20	ug/L	110	0		70	130	20
	Tetrahydrofuran	4	4.70	ug/L	117	3		70	130	20
	Trichlorofluoromethane	2	2.30	ug/L	115	4		70	130	20
	1,1,2-Trichloro-1,2,2-trifluoroethane	2	2.40	ug/L	120	9		70	130	20
	tert-Butyl Alcohol	20	23.3	ug/L	117	12		70	130	20
	Diethyl Ether	2	2.30	ug/L	115	0		70	130	20
	1,1-Dichloroethene	2	2.20	ug/L	110	0		70	130	20
	Acrylonitrile	4	4.40	ug/L	110	10		70	130	20
	Acetone	10	20.9	ug/L	209	69	*	*	70	20
	Carbon disulfide	2	1.80	ug/L	90	0		70	130	20
	Methyl tert-butyl Ether	2	2.30	ug/L	115	4		70	130	20
	Methyl acrylate	2	2.10	ug/L	105	0		70	130	20
	Methylene Chloride	2	2.40	ug/L	120	9		70	130	20
	trans-1,2-Dichloroethene	2	2.30	ug/L	115	9		70	130	20
	1,1-Dichloroethane	2	2.30	ug/L	115	4		70	130	20
	Cyclohexane	2	2.10	ug/L	105	5		70	130	20
	2-Butanone	10	15.4	ug/L	154	33	*	*	70	20
	Carbon Tetrachloride	2	2.00	ug/L	100	0		70	130	20
	2,2-Dichloropropane	2	2.20	ug/L	110	10		70	130	20
	cis-1,2-Dichloroethene	2	2.30	ug/L	115	4		70	130	20
	Bromochloromethane	2	2.30	ug/L	115	4		70	130	20
	Chloroform	2	2.30	ug/L	115	0		70	130	20
	1,1,1-Trichloroethane	2	2.20	ug/L	110	5		70	130	20
	Methylcyclohexane	2	2.00	ug/L	100	11		70	130	20
	1,1-Dichloropropene	2	2.20	ug/L	110	0		70	130	20
	Propionitrile	10	11.8	ug/L	118	6		70	130	20
	Benzene	2	2.40	ug/L	120	29	*		70	20
	1,2-Dichloroethane	2	2.40	ug/L	120	29	*		70	20
	Trichloroethene	2	1.80	ug/L	90	5		70	130	20
	1,2-Dichloropropane	2	2.10	ug/L	105	10		70	130	20
	1-Chlorobutane	2	2.30	ug/L	115	14		70	130	20
	Dibromomethane	2	2.00	ug/L	100	0		70	130	20
	Bromodichloromethane	2	1.80	ug/L	90	0		70	130	20
	4-Methyl-2-Pentanone	10	10.8	ug/L	108	3		70	130	20
	Toluene	2	2.10	ug/L	105	5		70	130	20
	t-1,3-Dichloropropene	2	1.70	ug/L	85	13		70	130	20
	cis-1,3-Dichloropropene	2	1.60	ug/L	80	0		70	130	20
	1,1,2-Trichloroethane	2	2.20	ug/L	110	5		70	130	20
	1,3-Dichloropropane	2	2.20	ug/L	110	5		70	130	20
	2-Hexanone	10	13.1	ug/L	131	27	*	*	70	20
	Dibromochloromethane	2	1.70	ug/L	85	6		70	130	20
	1,2-Dibromoethane	2	2.10	ug/L	105	10		70	130	20
	Tetrachloroethene	2	2.00	ug/L	100	5		70	130	20
	Chlorobenzene	2	2.00	ug/L	100	0		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2552 Analytical Method: SW524.2
Client: Alliance Technical Group, LLC - New Datafile : VU063536.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VU0718WBSD02	1,1,1,2-Tetrachloroethane	2	1.80	ug/L	90	6		70	130	20
	Hexachloroethane	2	1.70	ug/L	85	13		70	130	20
	Ethyl Benzene	2	2.10	ug/L	105	10		70	130	20
	m/p-Xylenes	4	4.10	ug/L	103	5		70	130	20
	o-Xylene	2	2.10	ug/L	105	5		70	130	20
	Styrene	2	2.10	ug/L	105	5		70	130	20
	Bromoform	2	1.50	ug/L	75	7		70	130	20
	Isopropylbenzene	2	2.10	ug/L	105	5		70	130	20
	1,1,2,2-Tetrachloroethane	2	2.10	ug/L	105	5		70	130	20
	1,2,3-Trichloropropane	2	2.20	ug/L	110	10		70	130	20
	Bromobenzene	2	2.00	ug/L	100	5		70	130	20
	N-propylbenzene	2	2.00	ug/L	100	0		70	130	20
	2-Chlorotoluene	2	2.10	ug/L	105	10		70	130	20
	1,3,5-Trimethylbenzene	2	2.10	ug/L	105	10		70	130	20
	4-Chlorotoluene	2	2.20	ug/L	110	10		70	130	20
	tert-Butylbenzene	2	2.10	ug/L	105	5		70	130	20
	1,2,4-Trimethylbenzene	2	2.10	ug/L	105	5		70	130	20
	Sec-butylbenzene	2	2.20	ug/L	110	10		70	130	20
	p-Isopropyltoluene	2	2.10	ug/L	105	5		70	130	20
	1,3-Dichlorobenzene	2	2.10	ug/L	105	5		70	130	20
	1,4-Dichlorobenzene	2	2.10	ug/L	105	5		70	130	20
	n-Butylbenzene	2	2.20	ug/L	110	10		70	130	20
	1,2-Dichlorobenzene	2	2.10	ug/L	105	5		70	130	20
	1,2-Dibromo-3-Chloropropane	2	2.00	ug/L	100	5		70	130	20
	1,2,4-Trichlorobenzene	2	2.00	ug/L	100	5		70	130	20
	Hexachlorobutadiene	2	2.00	ug/L	100	5		70	130	20
	Naphthalene	2	2.10	ug/L	105	5		70	130	20
	1,2,3-Trichlorobenzene	2	2.10	ug/L	105	5		70	130	20
	Iodomethane	2	2.00	ug/L	100	5		70	130	20
	Allyl Chloride	2	2.20	ug/L	110	10		70	130	20
	Methacrylonitrile	2	2.00	ug/L	100	0		70	130	20
	Methyl methacrylate	4	3.70	ug/L	93	0		70	130	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VU0718WBL01

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q2552

Lab File ID: VU063533.D

Lab Sample ID: VU0718WBL01

Date Analyzed: 07/18/2025

Time Analyzed: 10:49

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_U

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0718WBS02	VU0718WBS02	VU063535.D	07/18/2025
VU0718WBSD02	VU0718WBSD02	VU063536.D	07/18/2025
WS0725-PT-UNRVOA-WS	Q2552-08	VU063538.D	07/18/2025
WS0725-PT-UNRVOA-WSDL	Q2552-08DL	VU063539.D	07/18/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VU063510.D
 Instrument ID: MSVOA_U
 GC Column: DB-624UI ID: 0.18 (mm)

 Contract: ALLI03
 SDG NO.: Q2552
 BFB Injection Date: 07/16/2025
 BFB Injection Time: 08:13
 Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	79
175	5.0 - 9.0% of mass 174	6.1 (7.7) 1
176	95.0 - 101.0% of mass 174	77.5 (98.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC0.5	VSTDICC0.5	VU063511.D	07/16/2025	09:24
VSTDICC001	VSTDICC001	VU063512.D	07/16/2025	09:54
VSTDICC002	VSTDICC002	VU063513.D	07/16/2025	10:27
VSTDICC005	VSTDICC005	VU063514.D	07/16/2025	11:00
VSTDICCC010	VSTDICCC010	VU063515.D	07/16/2025	11:37
VSTDICC015	VSTDICC015	VU063516.D	07/16/2025	12:11

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VU063531.D
 Instrument ID: MSVOA_U
 GC Column: DB-624UI ID: 0.18 (mm)

 Contract: ALLI03
 SDG NO.: Q2552
 BFB Injection Date: 07/18/2025
 BFB Injection Time: 08:07
 Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	69.8 (97.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VU063532.D	07/18/2025	09:11
VU0718WBL01	VU0718WBL01	VU063533.D	07/18/2025	10:49
VU0718WBS02	VU0718WBS02	VU063535.D	07/18/2025	11:50
VU0718WBSD02	VU0718WBSD02	VU063536.D	07/18/2025	13:28
WS0725-PT-UNRVOA-WS	Q2552-08	VU063538.D	07/18/2025	15:54
WS0725-PT-UNRVOA-WSDL	Q2552-08DL	VU063539.D	07/18/2025	16:24

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ALLI03
Lab Code: ACE SDG NO.: Q2552
Lab File ID: VU063532.D Date Analyzed: 07/18/2025
Instrument ID: MSVOA_U Time Analyzed: 09:11
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	22137	6.10	0	0.00	0	0.00
UPPER LIMIT	28778.1	6.597	0		0	
LOWER LIMIT	15495.9	5.597	0		0	
EPA SAMPLE NO.						
WS0725-PT-UNRVOA-WS	23904	6.10	0	0.00	0	0.00
WS0725-PT-UNRVOA-WSDL	18307	6.10	0	0.00	0	0.00
VU0718WBL01	25256	6.10	0	0.00	0	0.00
VU0718WBS02	20233	6.10	0	0.00	0	0.00
VU0718WBSD02	19268	6.10	0	0.00	0	0.00

IS1 = Fluorobenzene

IS2 =

IS3 =

AREA UPPER LIMIT = +30% of internal standard area

AREA LOWER LIMIT = -30% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WS		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063538.D	1	07/18/25 15:54	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	0.12	0.50	ug/L
74-87-3	Chloromethane	0.13	U	0.13	0.50	ug/L
75-01-4	Vinyl Chloride	0.12	U	0.12	0.50	ug/L
74-83-9	Bromomethane	4.60		0.15	0.50	ug/L
75-00-3	Chloroethane	0.14	U	0.14	0.50	ug/L
109-99-9	Tetrahydrofuran	0.42	U	0.42	1.00	ug/L
75-69-4	Trichlorofluoromethane	40.5	E	0.20	0.50	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.11	0.50	ug/L
75-65-0	tert-Butyl Alcohol	3.60	U	3.60	10.0	ug/L
60-29-7	Diethyl Ether	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.13	U	0.13	0.50	ug/L
107-13-1	Acrylonitrile	0.44	U	0.44	1.00	ug/L
67-64-1	Acetone	0.97	UQ	0.97	2.50	ug/L
75-15-0	Carbon Disulfide	0.12	U	0.12	0.50	ug/L
1634-04-4	Methyl tert-Butyl Ether	39.0	E	0.11	0.50	ug/L
96-33-3	Methyl acrylate	0.33	U	0.33	0.50	ug/L
75-09-2	Methylene Chloride	0.44	U	0.44	0.50	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.14	0.50	ug/L
75-34-3	1,1-Dichloroethane	6.50		0.13	0.50	ug/L
110-82-7	Cyclohexane	0.14	U	0.14	0.50	ug/L
78-93-3	2-Butanone	0.72	UQ	0.72	2.50	ug/L
56-23-5	Carbon Tetrachloride	0.13	U	0.13	0.50	ug/L
594-20-7	2,2-Dichloropropane	10.9		0.12	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
74-97-5	Bromochloromethane	14.8		0.17	0.50	ug/L
67-66-3	Chloroform	0.17	U	0.17	0.50	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	0.50	ug/L
108-87-2	Methylcyclohexane	0.090	U	0.090	0.50	ug/L
563-58-6	1,1-Dichloropropene	16.0	E	0.11	0.50	ug/L
107-12-0	Propionitrile	1.20	U	1.20	2.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WS		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063538.D	1	07/18/25 15:54	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.14	U	0.14	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
78-87-5	1,2-Dichloropropane	0.13	U	0.13	0.50	ug/L
109-69-3	1-Chlorobutane	0.12	U	0.12	0.50	ug/L
74-95-3	Dibromomethane	13.1		0.15	0.50	ug/L
75-27-4	Bromodichloromethane	0.13	U	0.13	0.50	ug/L
108-10-1	4-Methyl-2-Pentanone	0.63	U	0.63	2.50	ug/L
108-88-3	Toluene	0.11	U	0.11	0.50	ug/L
10061-02-6	t-1,3-Dichloropropene	10.4		0.11	0.50	ug/L
10061-01-5	cis-1,3-Dichloropropene	13.4		0.11	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
142-28-9	1,3-Dichloropropane	3.10		0.12	0.50	ug/L
591-78-6	2-Hexanone	0.65	UQ	0.65	2.50	ug/L
124-48-1	Dibromochloromethane	0.20	U	0.20	0.50	ug/L
106-93-4	1,2-Dibromoethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
108-90-7	Chlorobenzene	0.11	U	0.11	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	13.2		0.13	0.50	ug/L
67-72-1	Hexachloroethane	0.12	U	0.12	0.50	ug/L
100-41-4	Ethyl Benzene	0.41	U	0.41	0.50	ug/L
179601-23-1	m/p-Xylenes	0.73	U	0.73	1.00	ug/L
1330-20-7	Total Xylenes	1.09	U	1.09	1.50	ug/L
95-47-6	o-Xylene	0.36	U	0.36	0.50	ug/L
100-42-5	Styrene	0.38	U	0.38	0.50	ug/L
75-25-2	Bromoform	0.31	U	0.31	0.50	ug/L
98-82-8	Isopropylbenzene	6.80		0.38	0.50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	11.9		0.13	0.50	ug/L
96-18-4	1,2,3-Trichloropropane	8.10		0.19	0.50	ug/L
108-86-1	Bromobenzene	3.70		0.13	0.50	ug/L
103-65-1	n-propylbenzene	15.8	E	0.42	0.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WS		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063538.D	1	07/18/25 15:54	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.50		0.27	0.50	ug/L
108-67-8	1,3,5-Trimethylbenzene	4.10		0.37	0.50	ug/L
106-43-4	4-Chlorotoluene	5.20		0.27	0.50	ug/L
98-06-6	tert-Butylbenzene	3.80		0.37	0.50	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.50		0.40	0.50	ug/L
135-98-8	sec-Butylbenzene	11.1		0.36	0.50	ug/L
99-87-6	p-Isopropyltoluene	15.3	E	0.42	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	5.30		0.13	0.50	ug/L
106-46-7	1,4-Dichlorobenzene	0.13	U	0.13	0.50	ug/L
104-51-8	n-Butylbenzene	10.0		0.43	0.50	ug/L
95-50-1	1,2-Dichlorobenzene	0.14	U	0.14	0.50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.24	U	0.24	0.50	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.21	U	0.21	0.50	ug/L
87-68-3	Hexachlorobutadiene	29.6	E	0.14	0.50	ug/L
91-20-3	Naphthalene	8.10		0.33	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2	E	0.31	0.50	ug/L
74-88-4	Iodomethane	2.00		0.090	1.00	ug/L
107-05-1	Allyl Chloride	0.13	U	0.13	0.50	ug/L
126-98-7	Methacrylonitrile	0.24	U	0.24	0.50	ug/L
80-62-6	Methyl methacrylate	0.24	U	0.24	1.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.92		70 - 130	92%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.82		70 - 130	82%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	23900	6.1			

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WS		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063538.D	1	07/18/25 15:54	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063538.D
 Acq On : 18 Jul 2025 15:54
 Operator : MD/SY
 Sample : Q2552-08
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-UNRVOA-WS

Quant Time: Jul 18 23:50:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

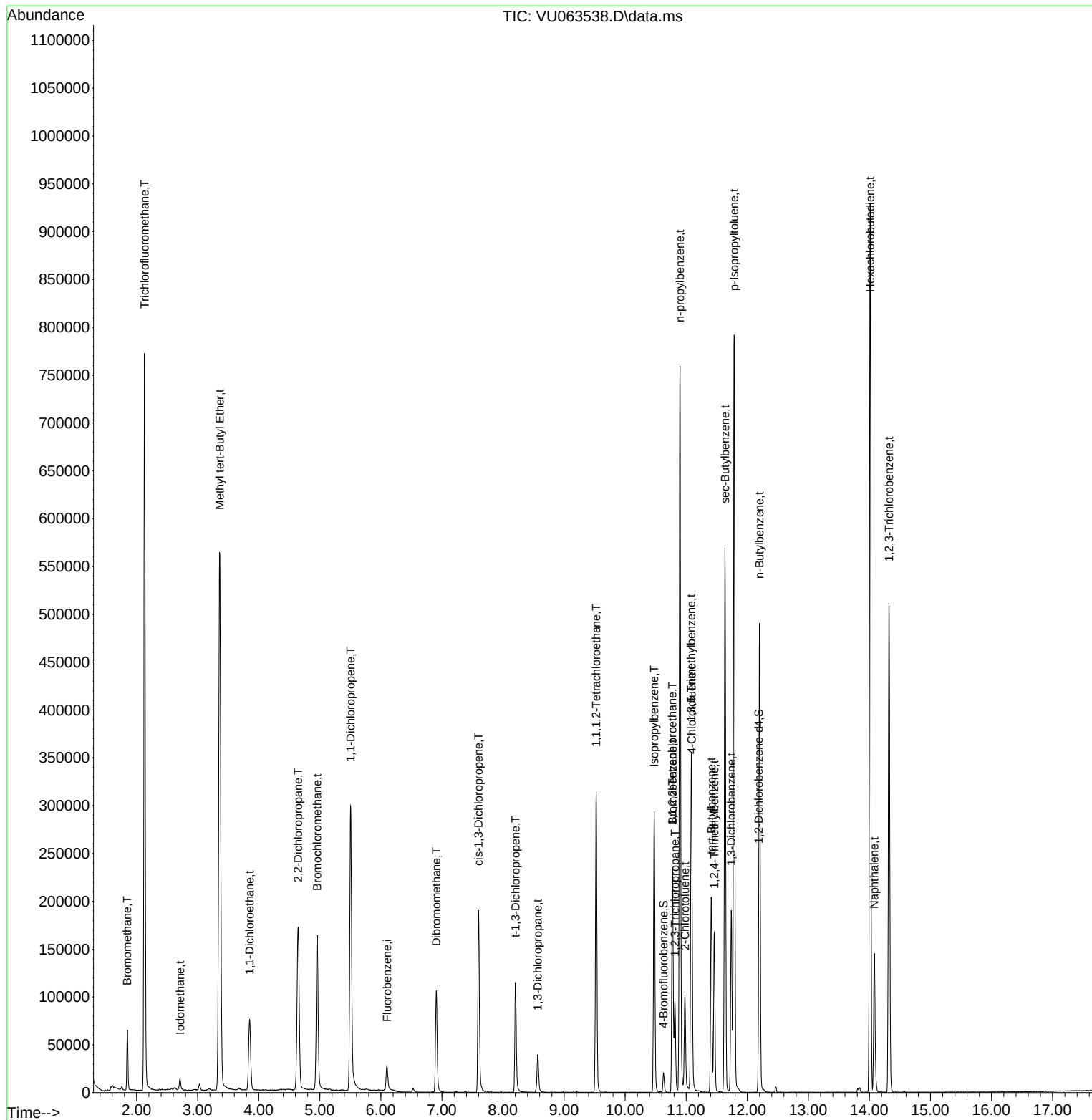
Internal Standards						
1) Fluorobenzene	6.100	96	23904	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7393	0.817	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7696	0.919	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.846	94	28791	4.575	ug/l	98
7) Trichlorofluoromethane	2.129	101	484716	40.458	ug/l	99
10) Iodomethane	2.711	142	11066	1.999	ug/l	99
17) 1,1-Dichloroethane	3.850	63	85171	6.520	ug/l	100
21) 2,2-Dichloropropane	4.644	77	121201	10.895	ug/l	94
25) Methyl tert-Butyl Ether	3.361	73	632025	39.011	ug/l	99
26) Bromochloromethane	4.956	128	47356	14.830	ug/l	94
29) 1,1-Dichloropropene	5.502	75	168120	16.041	ug/l	97
43) Dibromomethane	6.907	93	44789	13.118	ug/l	92
50) t-1,3-Dichloropropene	8.203	75	62550	10.354	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	108466	13.377	ug/l	99
53) 1,3-Dichloropropane	8.570	76	24373	3.071	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	74863	13.183	ug/l	98
69) Isopropylbenzene	10.476	105	185978	6.778	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	66756	11.935	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	37017	8.149	ug/l	# 99
72) Bromobenzene	10.775	156	26381	3.725	ug/l	93
73) n-propylbenzene	10.898	120	130415	15.789	ug/l	93
74) 2-Chlorotoluene	10.978	126	18387	2.519	ug/l	75
75) 1,3,5-Trimethylbenzene	11.081	105	108236	4.129	ug/l	99
76) 4-Chlorotoluene	11.090	126	38182	5.150	ug/l	95
77) tert-Butylbenzene	11.412	119	94842	3.786	ug/l	90
78) 1,2,4-Trimethylbenzene	11.460	105	90493	3.480	ug/l	97
79) sec-Butylbenzene	11.634	105	373830	11.066	ug/l	97
81) p-Isopropyltoluene	11.785	119	431340	15.296	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	75296	5.314	ug/l	98
84) n-Butylbenzene	12.200	91	260912	9.976	ug/l	98
88) Hexachlorobutadiene	14.013	225	139099	29.590	ug/l	99
89) Naphthalene	14.081	128	120383	8.116	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	146549	19.158	ug/l	98

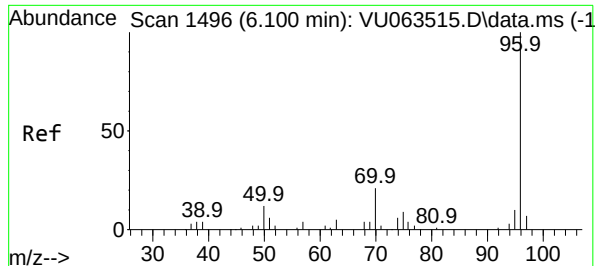
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063538.D
Acq On : 18 Jul 2025 15:54
Operator : MD/SY
Sample : Q2552-08
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

Quant Time: Jul 18 23:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

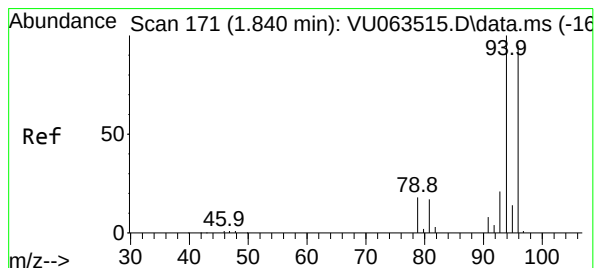
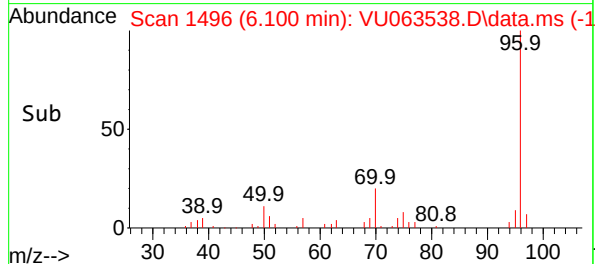
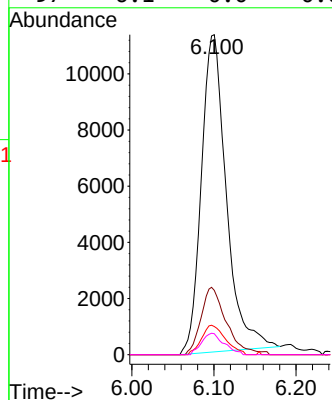
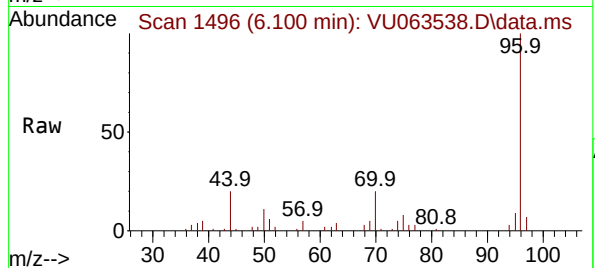




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

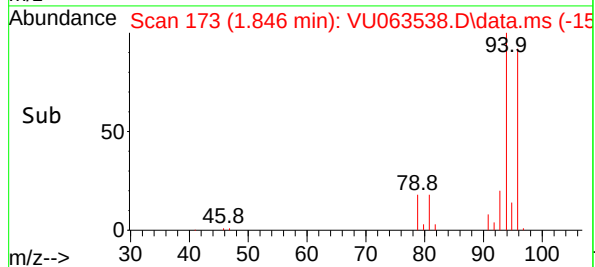
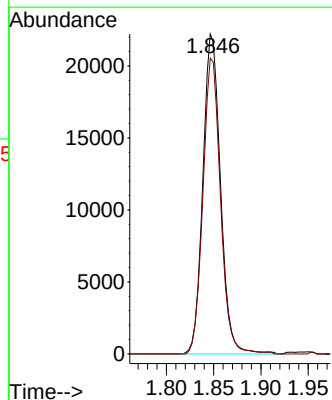
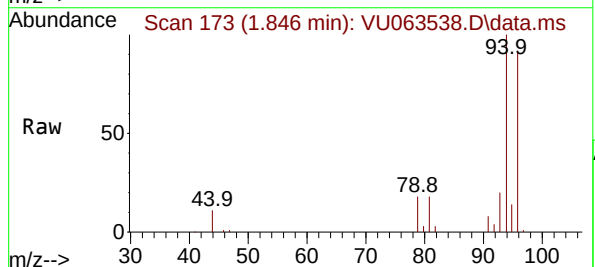
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

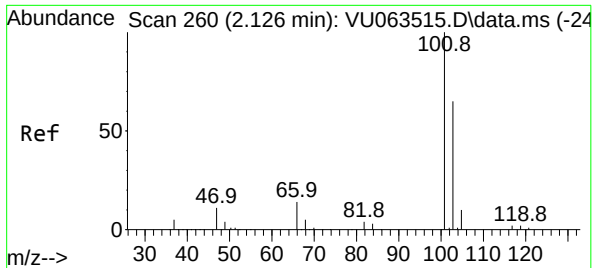
Tgt Ion:	96	Resp:	23904
Ion	Ratio	Lower	Upper
96	100		
70	21.5	15.0	22.4
95	8.9	7.4	11.0
97	6.1	0.0	0.0



#5
Bromomethane
Concen: 4.575 ug/l
RT: 1.846 min Scan# 173
Delta R.T. 0.007 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

Tgt Ion:	94	Resp:	28791
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.8	113.6

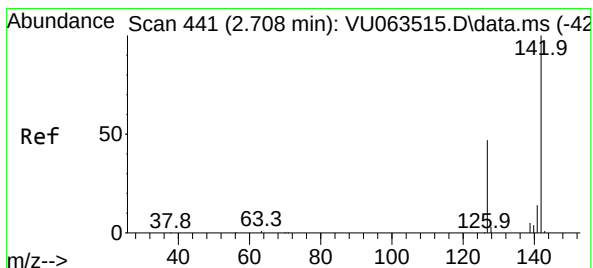
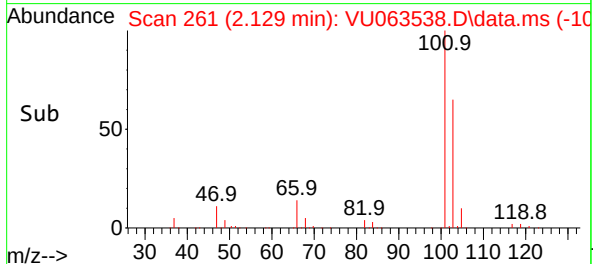
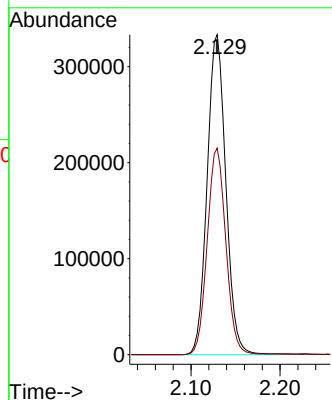
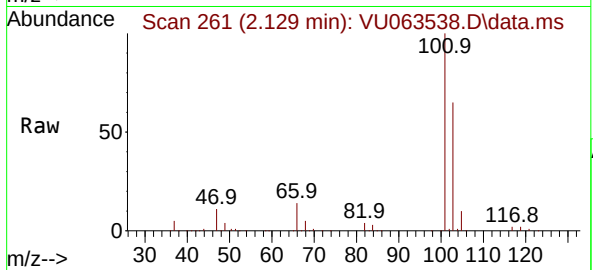




#7
 Trichlorofluoromethane
 Concen: 40.458 ug/l
 RT: 2.129 min Scan# 2
 Delta R.T. 0.003 min
 Lab File: VU063538.D
 Acq: 18 Jul 2025 15:54

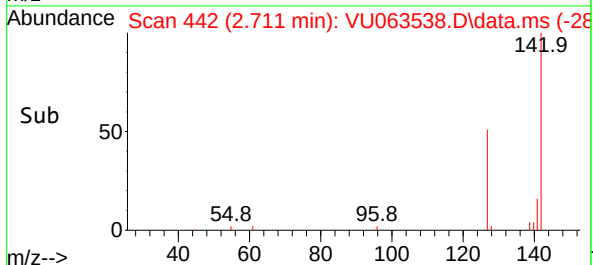
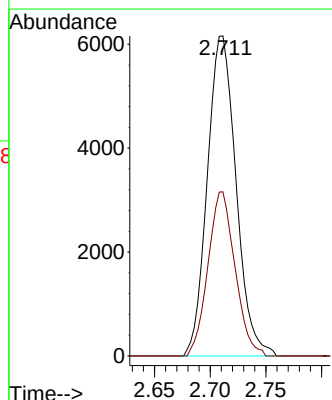
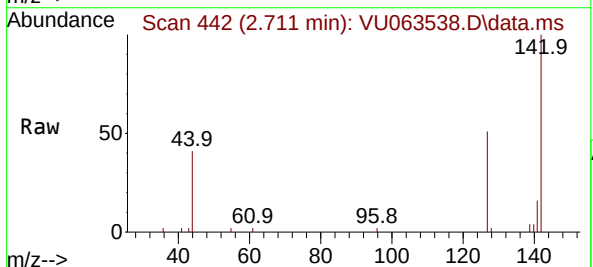
Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-UNRVOA-WS

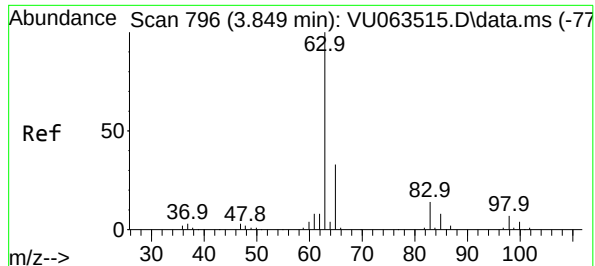
Tgt Ion:101 Resp: 484716
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4



#10
 Iodomethane
 Concen: 1.999 ug/l
 RT: 2.711 min Scan# 442
 Delta R.T. 0.003 min
 Lab File: VU063538.D
 Acq: 18 Jul 2025 15:54

Tgt Ion:142 Resp: 11066
 Ion Ratio Lower Upper
 142 100
 127 48.3 37.9 56.9





#17

1,1-Dichloroethane

Concen: 6.520 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WS

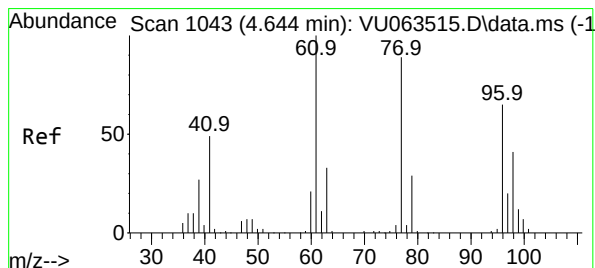
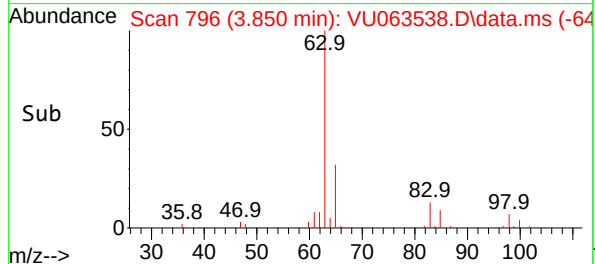
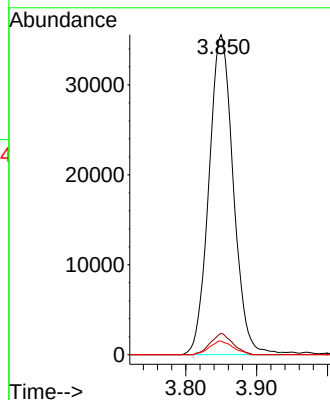
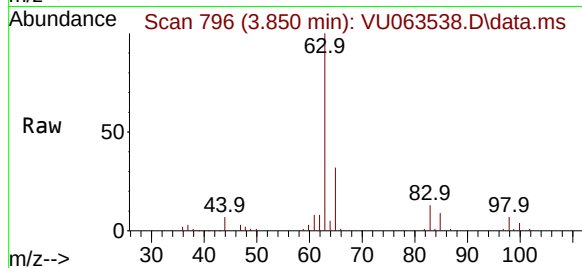
Tgt Ion: 63 Resp: 85171

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.3 2.1 6.2



#21

2,2-Dichloropropane

Concen: 10.895 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063538.D

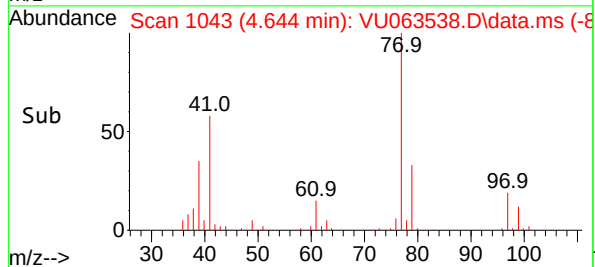
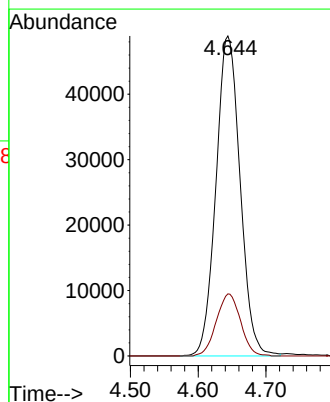
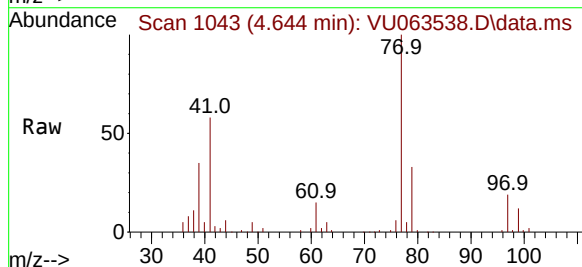
Acq: 18 Jul 2025 15:54

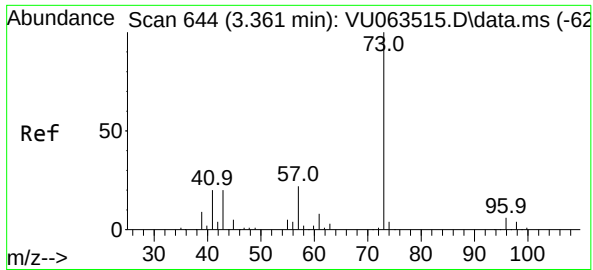
Tgt Ion: 77 Resp: 121201

Ion Ratio Lower Upper

77 100

97 19.5 17.8 26.8





#25

Methyl tert-Butyl Ether

Concen: 39.011 ug/l

RT: 3.361 min Scan# 64

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

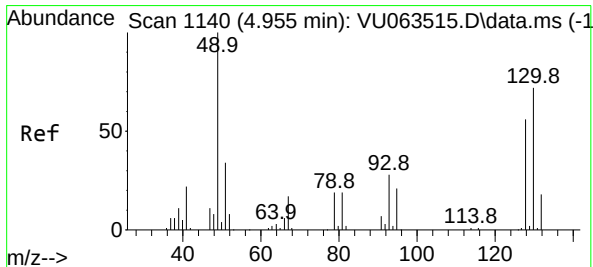
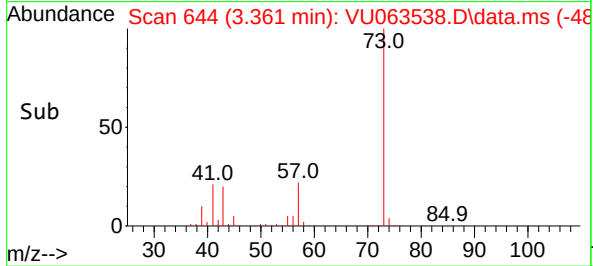
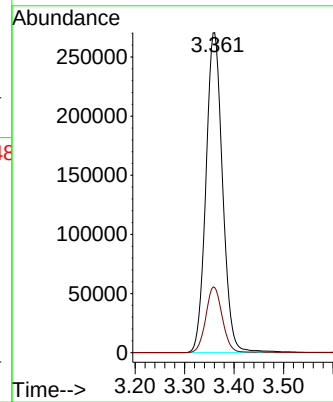
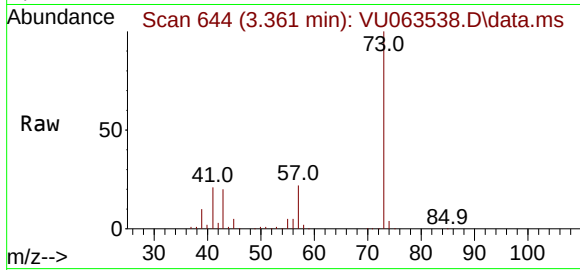
WS0725-PT-UNRVOA-WS

Tgt Ion: 73 Resp: 632025

Ion Ratio Lower Upper

73 100

43 20.4 16.2 24.2



#26

Bromochloromethane

Concen: 14.830 ug/l

RT: 4.956 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

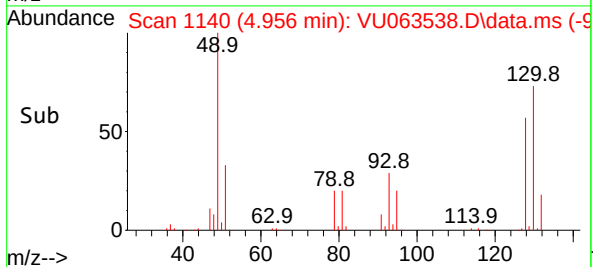
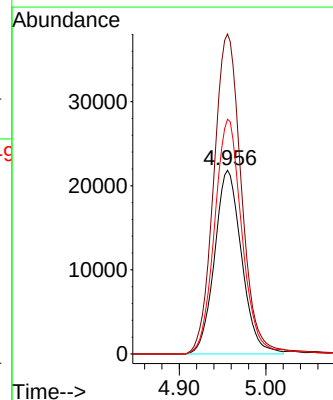
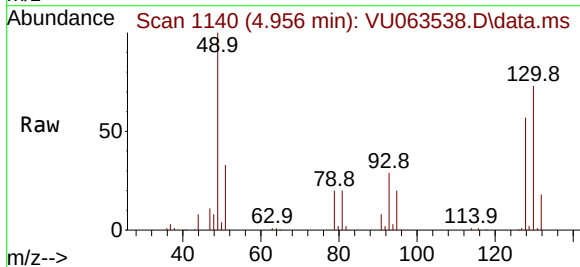
Tgt Ion: 128 Resp: 47356

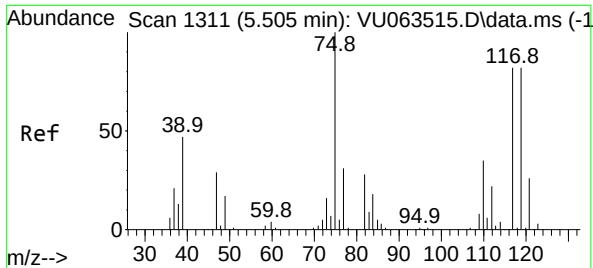
Ion Ratio Lower Upper

128 100

49 179.4 0.0 340.8

130 130.4 100.5 150.7





#29

1,1-Dichloropropene

Concen: 16.041 ug/l

RT: 5.502 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WS

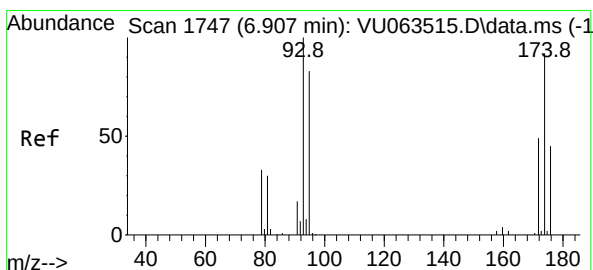
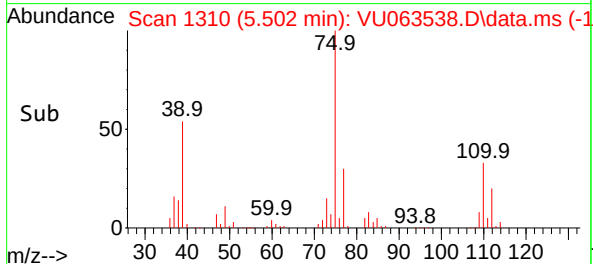
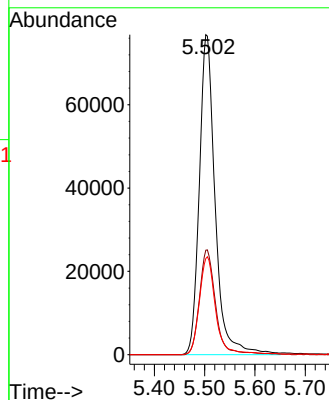
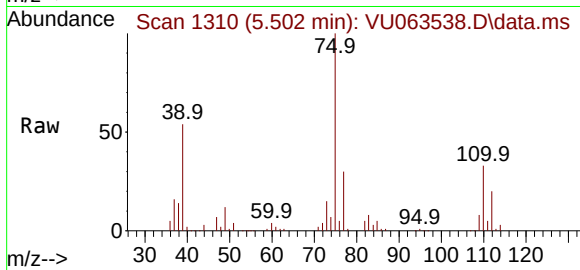
Tgt Ion: 75 Resp: 168120

Ion Ratio Lower Upper

75 100

110 33.1 17.8 53.4

77 31.4 24.6 37.0



#43

Dibromomethane

Concen: 13.118 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

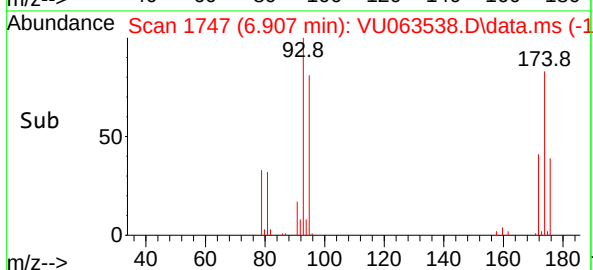
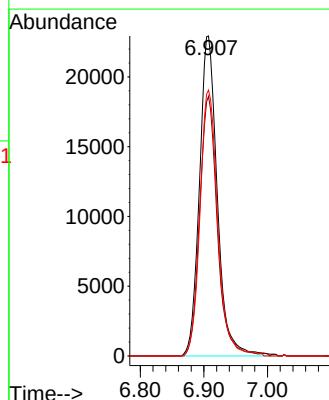
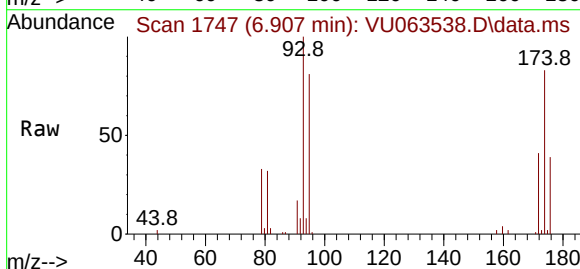
Tgt Ion: 93 Resp: 44789

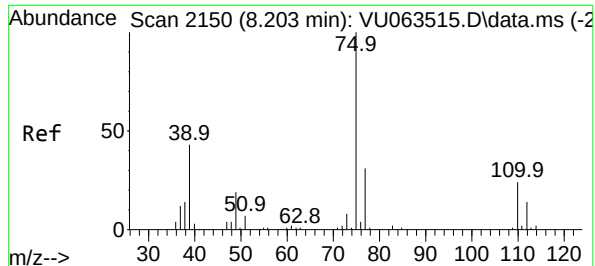
Ion Ratio Lower Upper

93 100

95 80.3 67.9 101.9

174 82.5 74.6 111.8





#50

t-1,3-Dichloropropene

Concen: 10.354 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

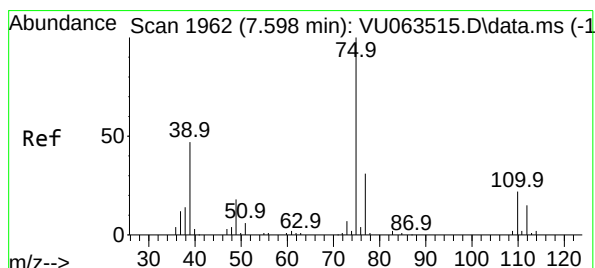
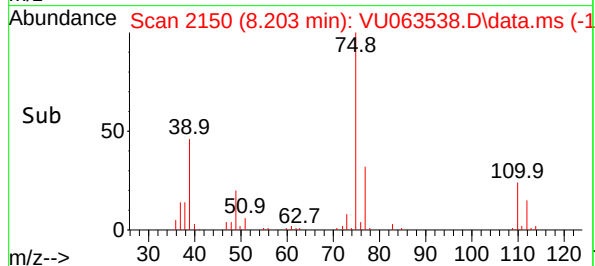
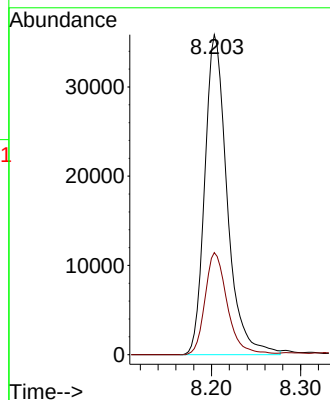
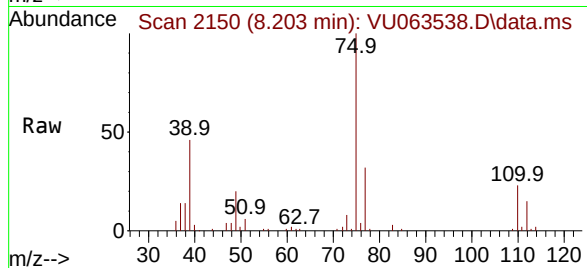
WS0725-PT-UNRVOA-WS

Tgt Ion: 75 Resp: 62550

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#51

cis-1,3-Dichloropropene

Concen: 13.377 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

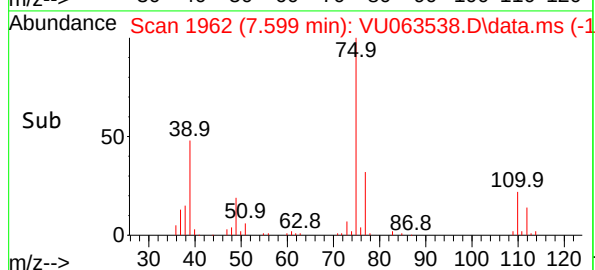
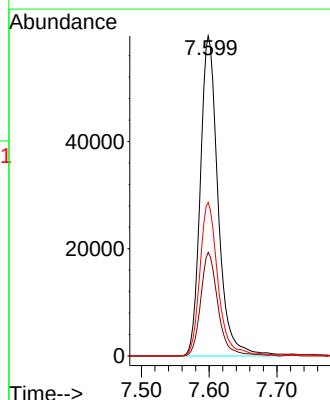
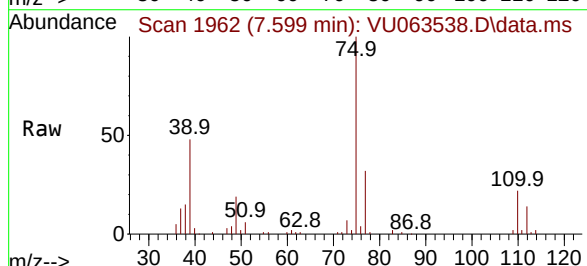
Tgt Ion: 75 Resp: 108466

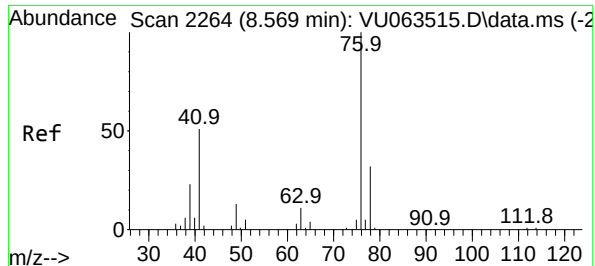
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 48.0 37.8 56.6





#53

1,3-Dichloropropane

Concen: 3.071 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

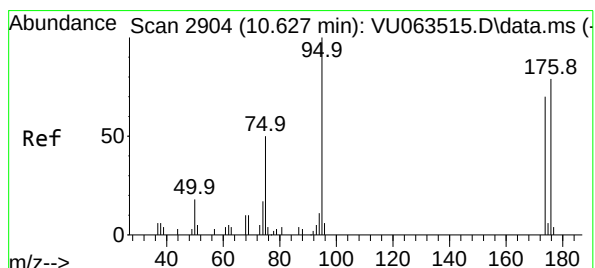
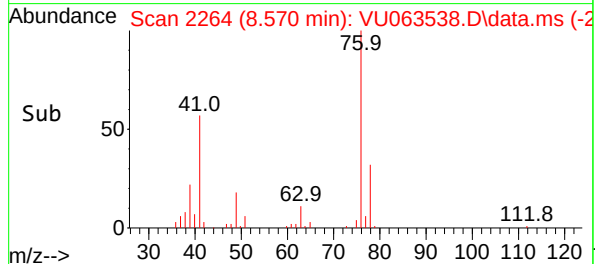
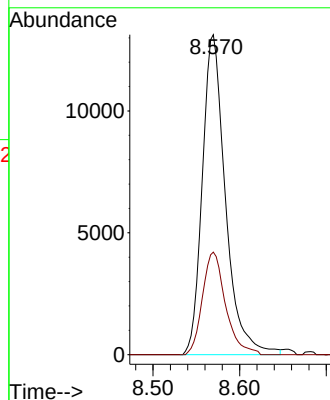
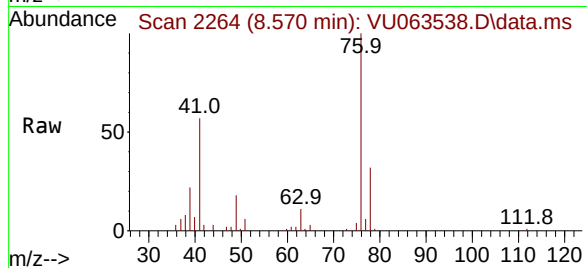
WS0725-PT-UNRVOA-WS

Tgt Ion: 76 Resp: 24373

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#57

4-Bromofluorobenzene

Concen: 0.817 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

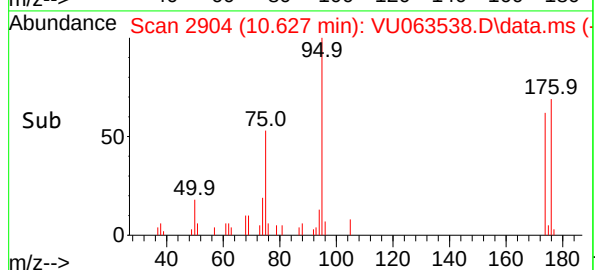
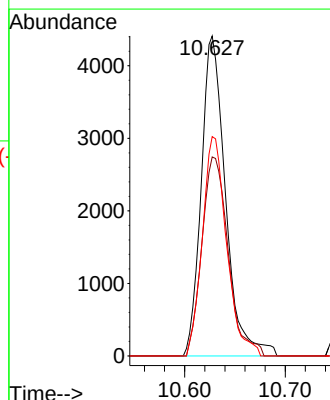
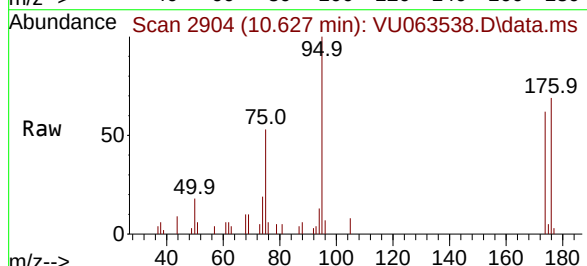
Tgt Ion: 95 Resp: 7393

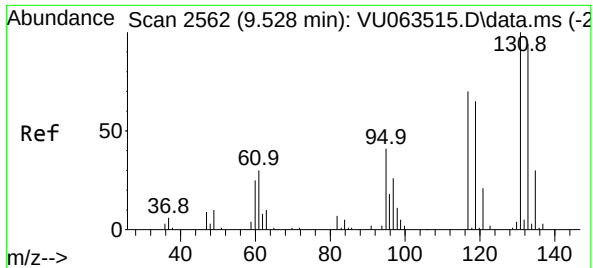
Ion Ratio Lower Upper

95 100

174 67.4 59.8 89.8

176 68.5 61.8 92.8





#60

1,1,1,2-Tetrachloroethane

Concen: 13.183 ug/l

RT: 9.525 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WS

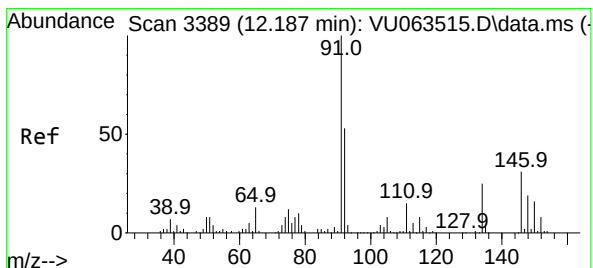
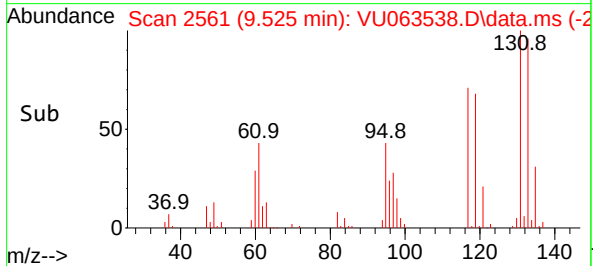
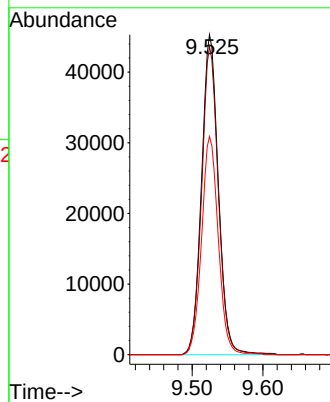
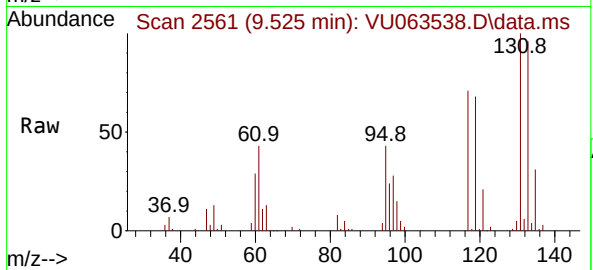
Tgt Ion:131 Resp: 74863

Ion Ratio Lower Upper

131 100

133 95.6 74.7 112.1

119 67.3 53.0 79.4



#68

1,2-Dichlorobenzene-d4

Concen: 0.919 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

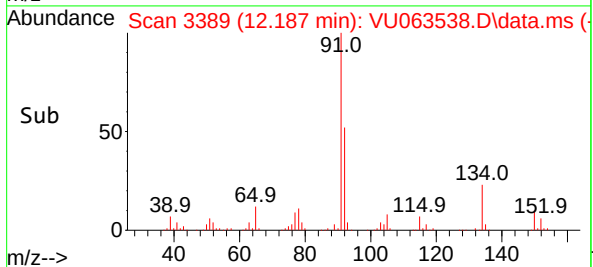
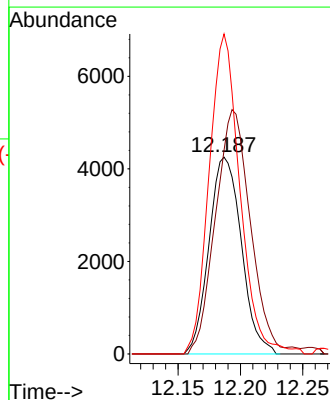
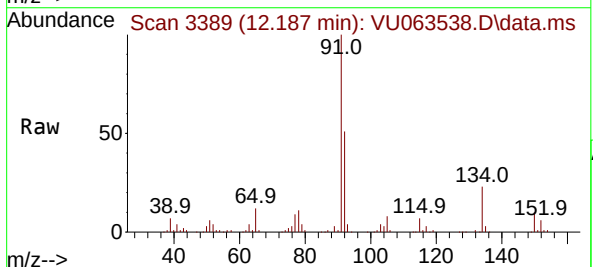
Tgt Ion:152 Resp: 7696

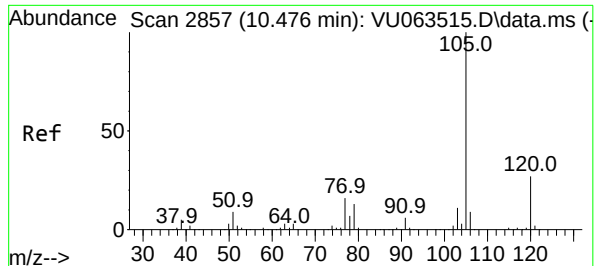
Ion Ratio Lower Upper

152 100

115 133.0 0.0 262.2

150 154.7 0.0 651.2





#69

Isopropylbenzene

Concen: 6.778 ug/l

RT: 10.476 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

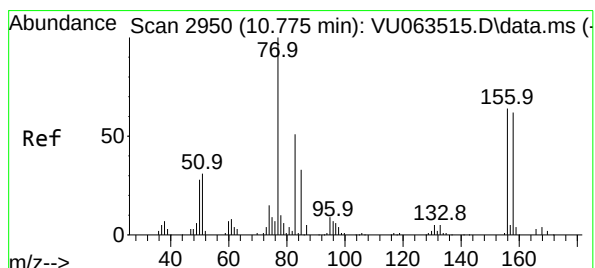
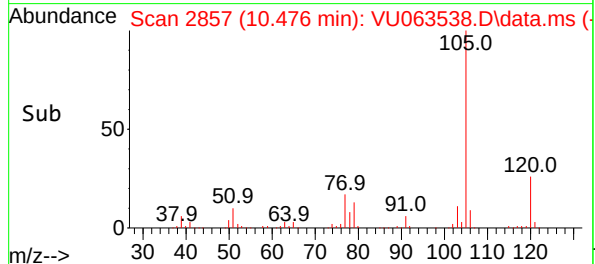
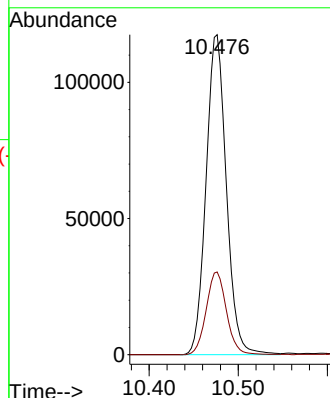
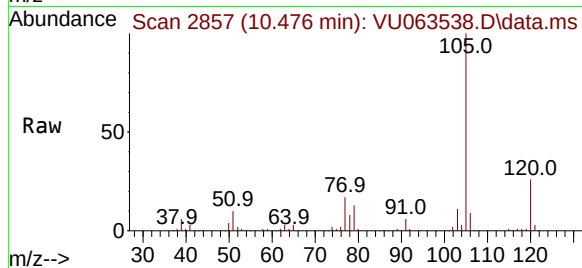
WS0725-PT-UNRVOA-WS

Tgt Ion:105 Resp: 185978

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.5



#70

1,1,2,2-Tetrachloroethane

Concen: 11.935 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

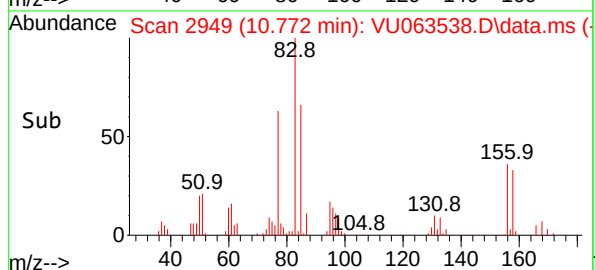
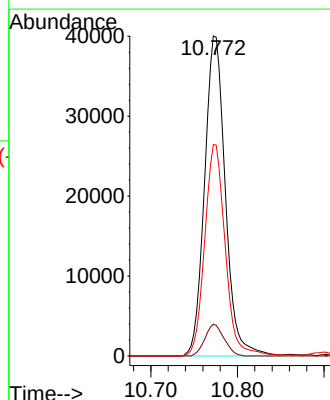
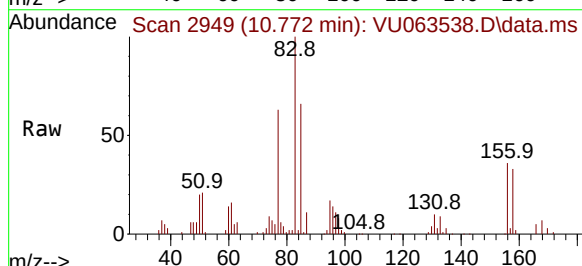
Tgt Ion: 83 Resp: 66756

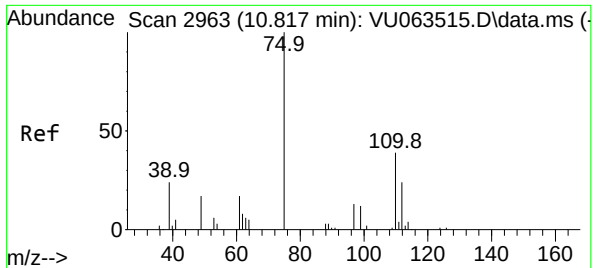
Ion Ratio Lower Upper

83 100

131 9.1 8.4 12.6

85 65.4 51.9 77.9

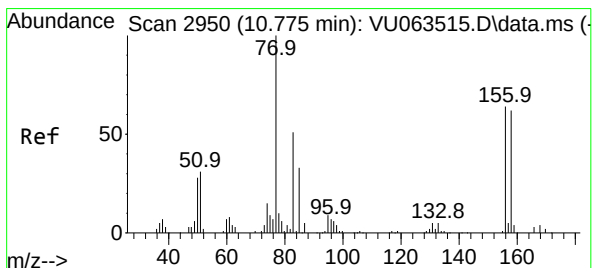
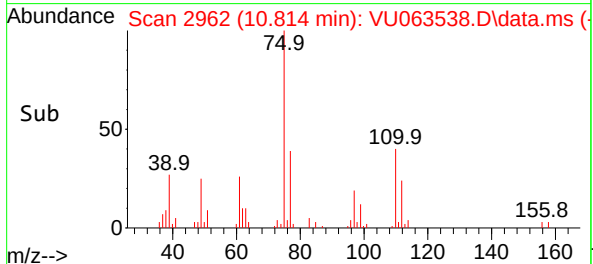
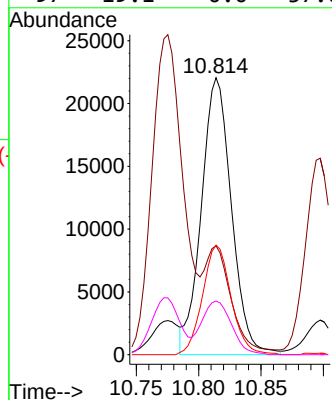
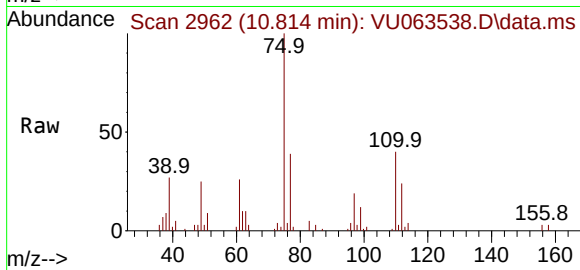




#71
1,2,3-Trichloropropane
Concen: 8.149 ug/l
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

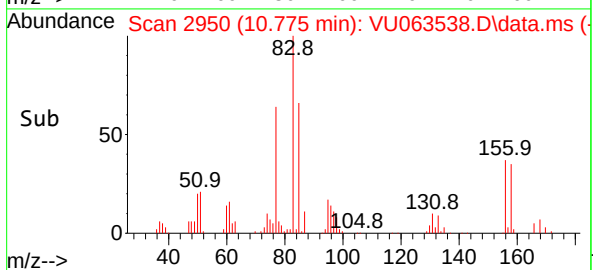
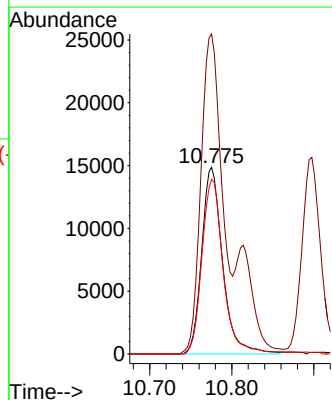
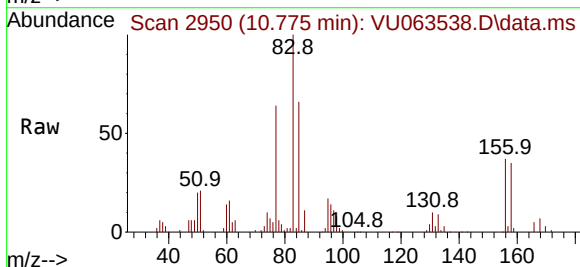
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

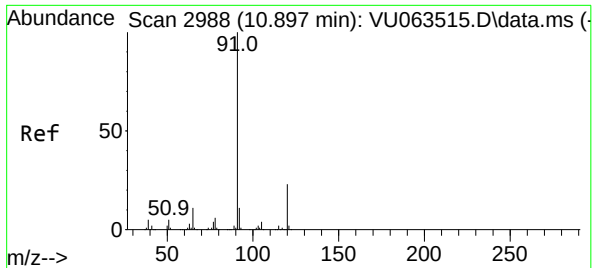
Tgt Ion:	75	Resp:	37017
Ion	Ratio	Lower	Upper
75	100		
77	34.1	0.0	0.0#
110	37.5	0.0	73.2
97	19.1	0.0	37.6



#72
Bromobenzene
Concen: 3.725 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

Tgt Ion:	156	Resp:	26381
Ion	Ratio	Lower	Upper
156	100		
77	170.8	0.0	315.2
158	94.6	0.0	195.4

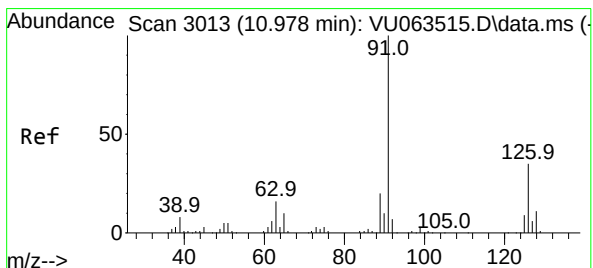
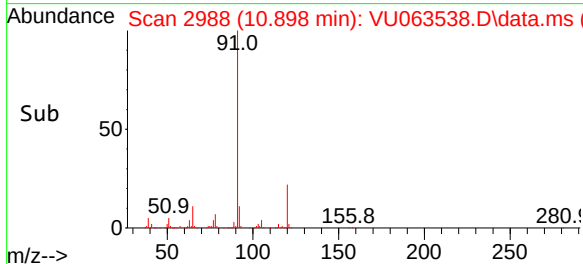
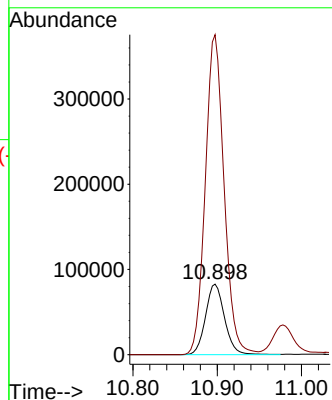
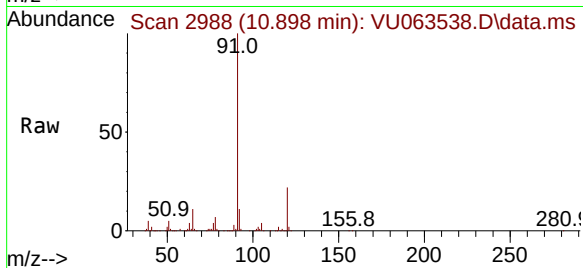




#73
n-propylbenzene
Concen: 15.789 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

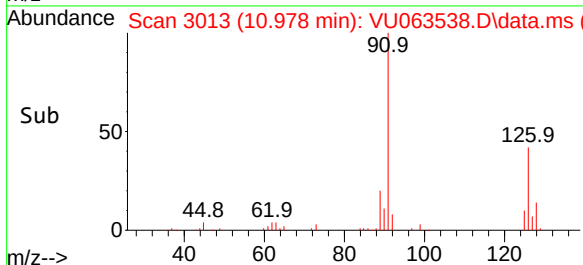
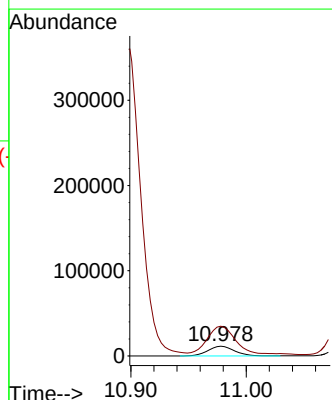
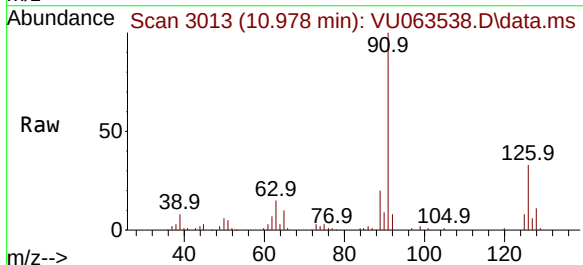
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

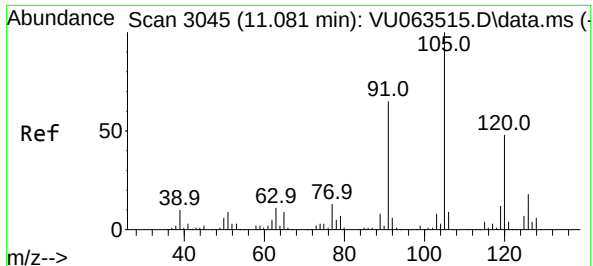
Tgt Ion:120 Resp: 130415
Ion Ratio Lower Upper
120 100
91 447.2 343.1 514.7



#74
2-Chlorotoluene
Concen: 2.519 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

Tgt Ion:126 Resp: 18387
Ion Ratio Lower Upper
126 100
91 352.7 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 4.129 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

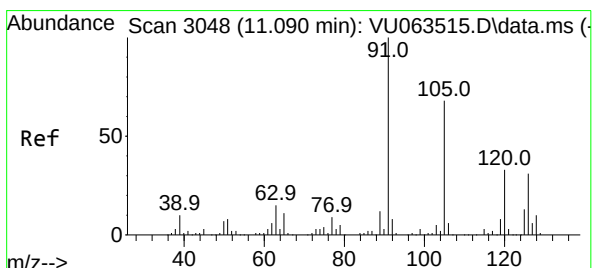
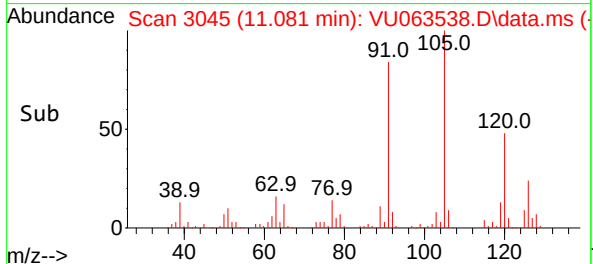
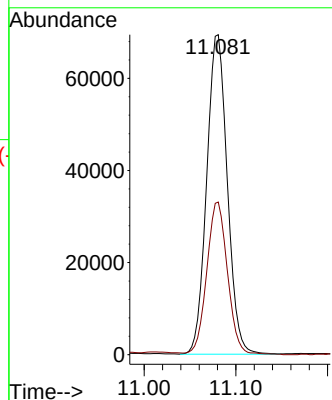
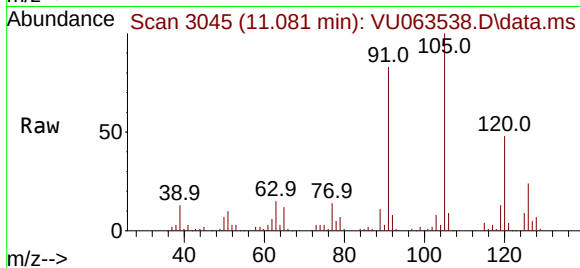
WS0725-PT-UNRVOA-WS

Tgt Ion:105 Resp: 108236

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.8



#76

4-Chlorotoluene

Concen: 5.150 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063538.D

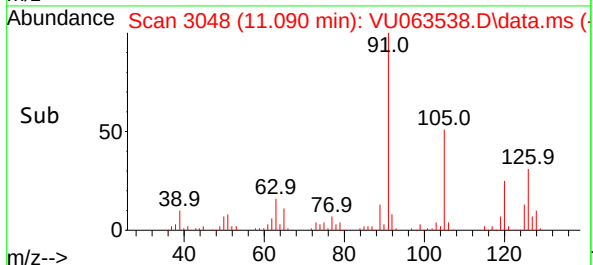
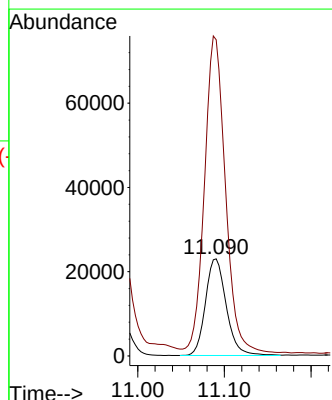
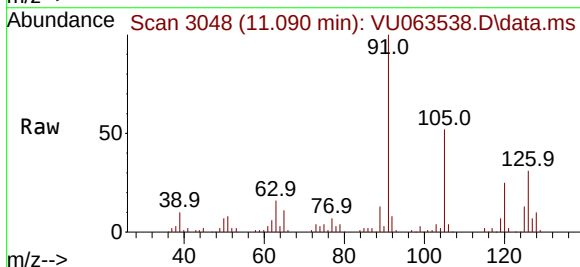
Acq: 18 Jul 2025 15:54

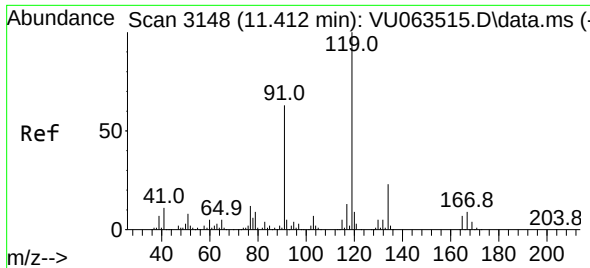
Tgt Ion:126 Resp: 38182

Ion Ratio Lower Upper

126 100

91 331.3 0.0 682.2

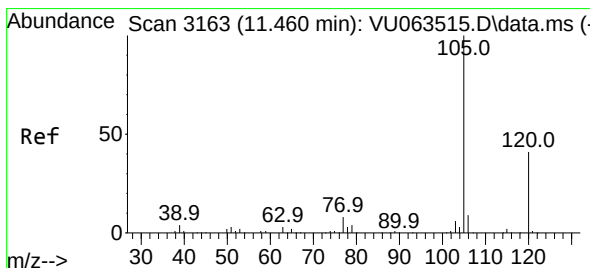
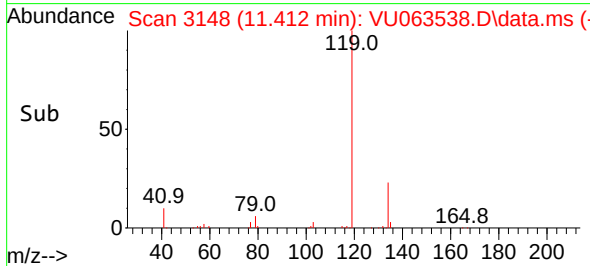
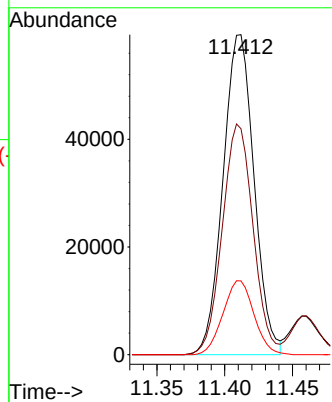
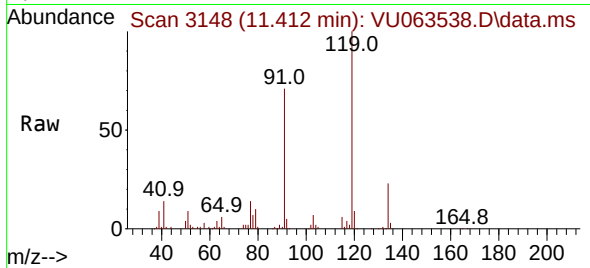




#77
tert-Butylbenzene
Concen: 3.786 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

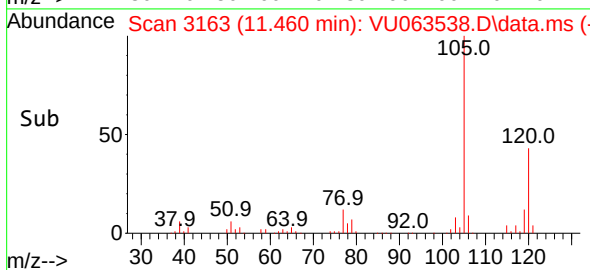
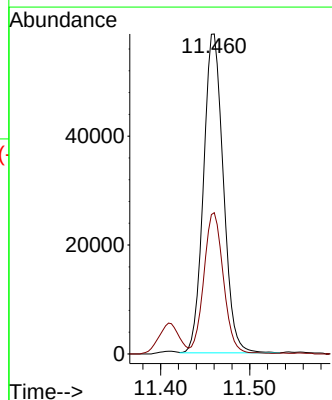
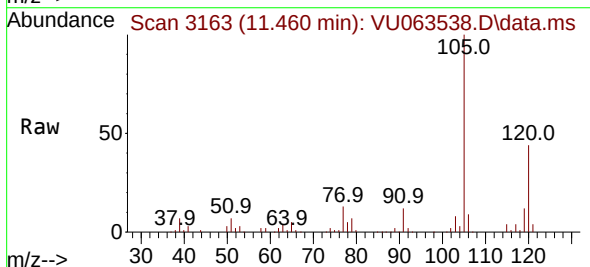
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

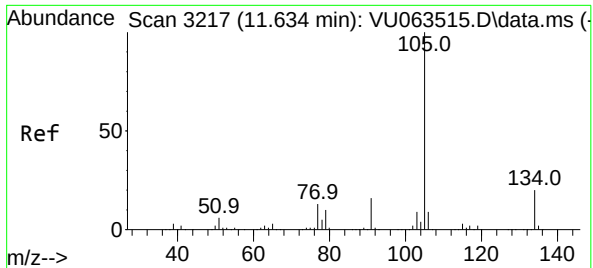
Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.6	30.7	92.1
134	23.1	18.5	27.7



#78
1,2,4-Trimethylbenzene
Concen: 3.480 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.7	68.0





#79

sec-Butylbenzene

Concen: 11.066 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

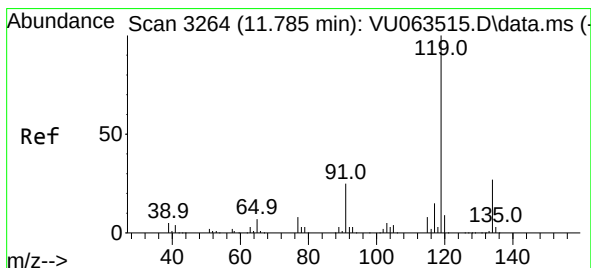
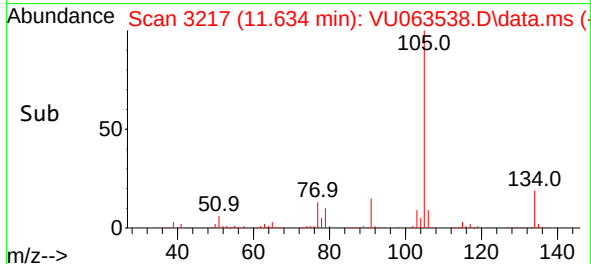
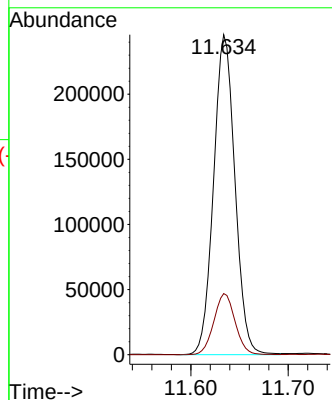
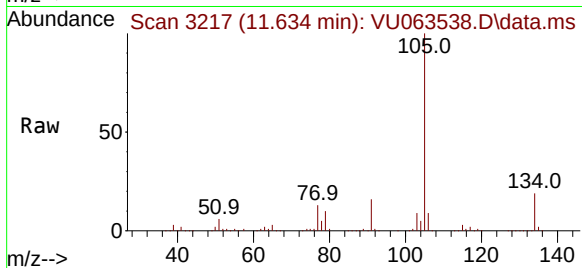
WS0725-PT-UNRVOA-WS

Tgt Ion:105 Resp: 373830

Ion Ratio Lower Upper

105 100

134 19.0 16.2 24.4



#81

p-Isopropyltoluene

Concen: 15.296 ug/l

RT: 11.785 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

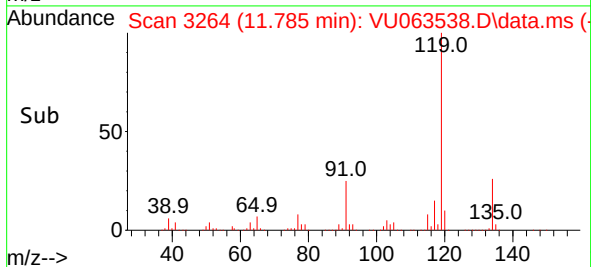
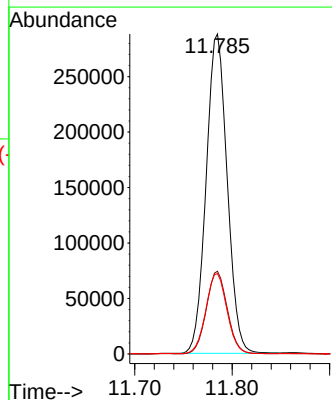
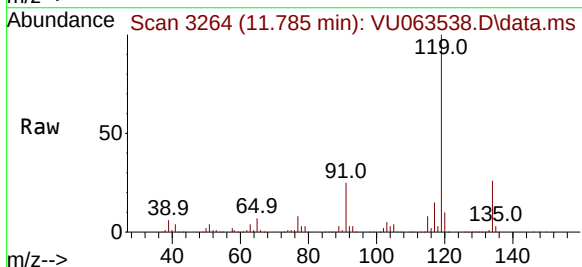
Tgt Ion:119 Resp: 431340

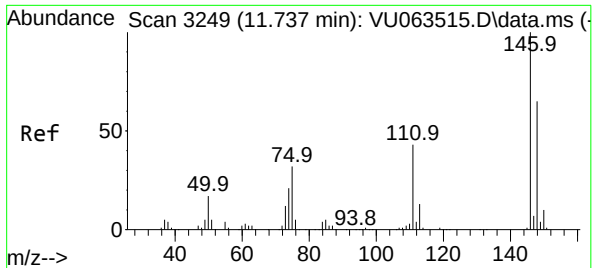
Ion Ratio Lower Upper

119 100

134 25.7 21.1 31.7

91 25.1 19.8 29.8





#82

1,3-Dichlorobenzene

Concen: 5.314 ug/l

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WS

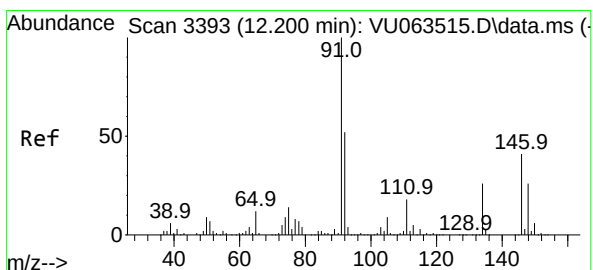
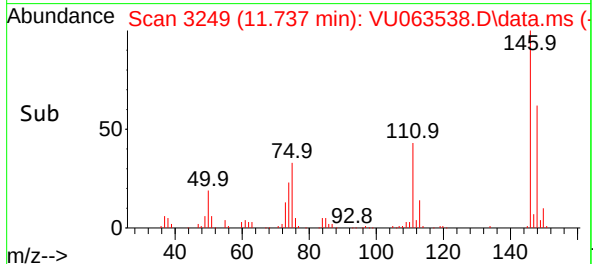
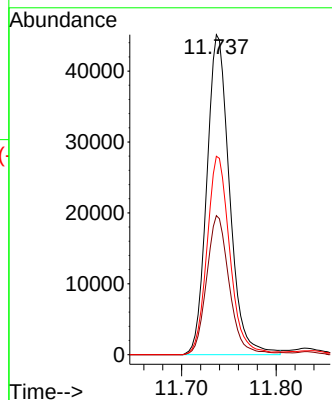
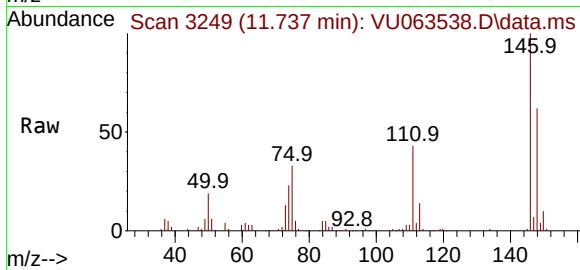
Tgt Ion:146 Resp: 75296

Ion Ratio Lower Upper

146 100

111 43.4 33.8 50.6

148 62.5 51.5 77.3



#84

n-Butylbenzene

Concen: 9.976 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063538.D

Acq: 18 Jul 2025 15:54

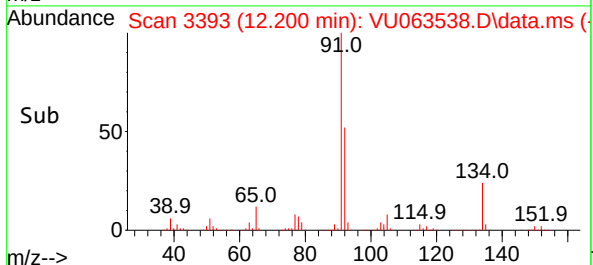
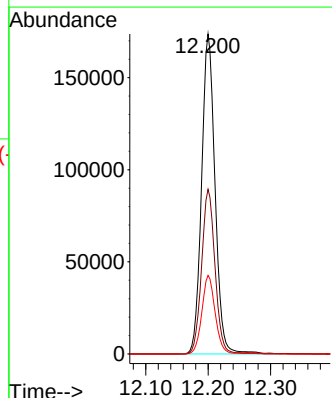
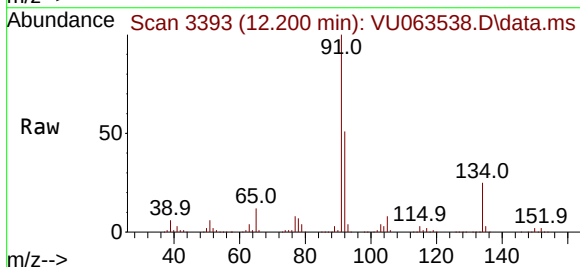
Tgt Ion: 91 Resp: 260912

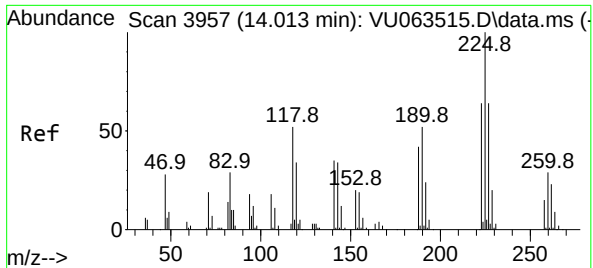
Ion Ratio Lower Upper

91 100

92 51.0 41.5 62.3

134 24.2 20.6 30.8

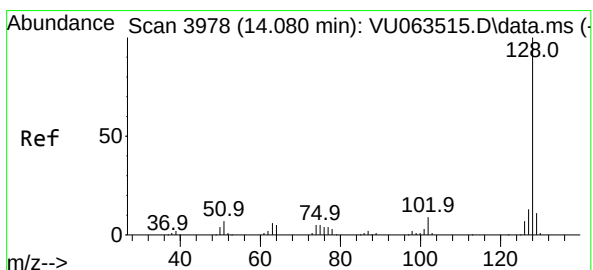
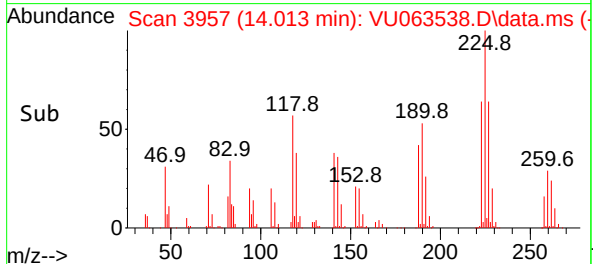
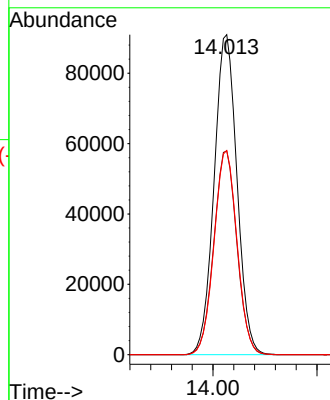
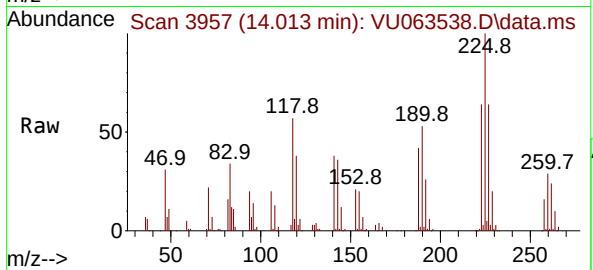




#88
Hexachlorobutadiene
Concen: 29.590 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. 0.000 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

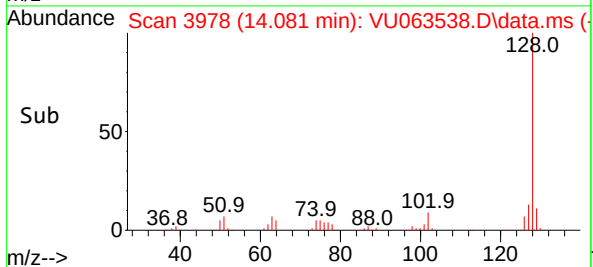
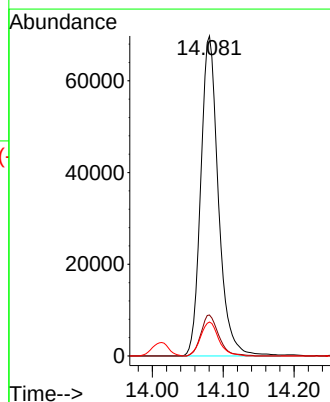
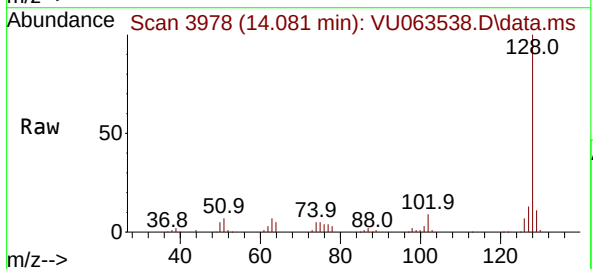
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WS

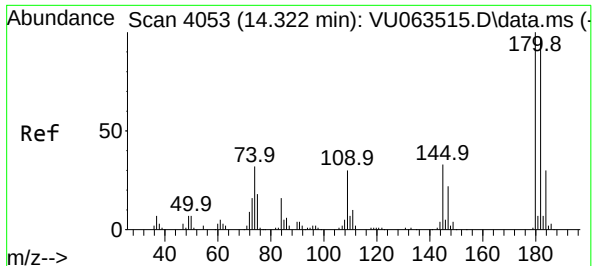
Tgt Ion:225 Resp: 139099
Ion Ratio Lower Upper
225 100
223 64.2 50.8 76.2
227 64.2 51.0 76.6



#89
Naphthalene
Concen: 8.116 ug/l
RT: 14.081 min Scan# 3978
Delta R.T. 0.001 min
Lab File: VU063538.D
Acq: 18 Jul 2025 15:54

Tgt Ion:128 Resp: 120383
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.8 13.2





#90

1,2,3-Trichlorobenzene

Concen: 19.158 ug/l

RT: 14.322 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU063538.D

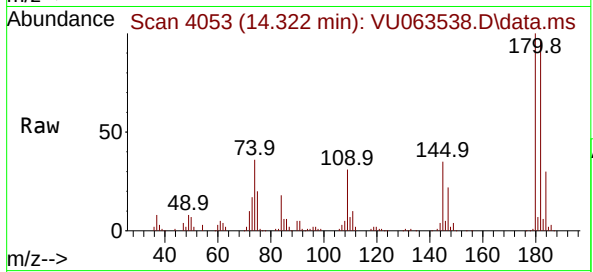
Acq: 18 Jul 2025 15:54

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WS



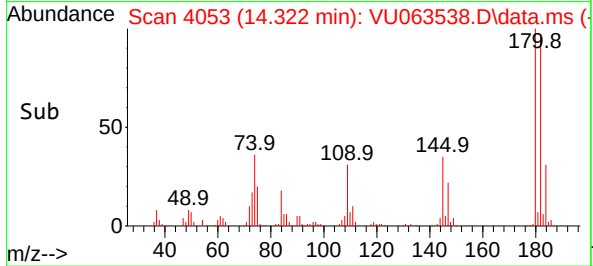
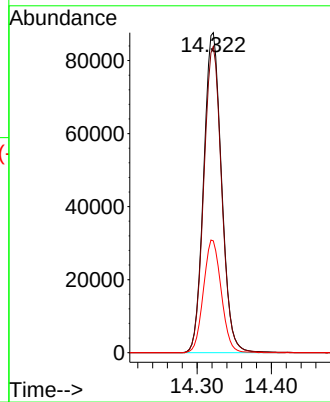
Tgt Ion:180 Resp: 146549

Ion Ratio Lower Upper

180 100

182 95.8 78.0 117.0

145 35.0 27.3 40.9



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WSDL		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08DL		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063539.D	5	07/18/25 16:24	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.60	UD	0.60	2.50	ug/L
74-87-3	Chloromethane	0.65	UD	0.65	2.50	ug/L
75-01-4	Vinyl Chloride	0.60	UD	0.60	2.50	ug/L
74-83-9	Bromomethane	5.70	D	0.75	2.50	ug/L
75-00-3	Chloroethane	0.70	UD	0.70	2.50	ug/L
109-99-9	Tetrahydrofuran	2.10	UD	2.10	5.00	ug/L
75-69-4	Trichlorofluoromethane	47.7	D	1.00	2.50	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.55	UD	0.55	2.50	ug/L
75-65-0	tert-Butyl Alcohol	18.0	UD	18.0	50.0	ug/L
60-29-7	Diethyl Ether	0.65	UD	0.65	2.50	ug/L
75-35-4	1,1-Dichloroethene	0.65	UD	0.65	2.50	ug/L
107-13-1	Acrylonitrile	2.20	UD	2.20	5.00	ug/L
67-64-1	Acetone	4.90	UDQ	4.90	12.5	ug/L
75-15-0	Carbon Disulfide	0.60	UD	0.60	2.50	ug/L
1634-04-4	Methyl tert-Butyl Ether	47.5	D	0.55	2.50	ug/L
96-33-3	Methyl acrylate	1.70	UD	1.70	2.50	ug/L
75-09-2	Methylene Chloride	2.20	UD	2.20	2.50	ug/L
156-60-5	trans-1,2-Dichloroethene	0.70	UD	0.70	2.50	ug/L
75-34-3	1,1-Dichloroethane	8.20	D	0.65	2.50	ug/L
110-82-7	Cyclohexane	0.70	UD	0.70	2.50	ug/L
78-93-3	2-Butanone	3.60	UDQ	3.60	12.5	ug/L
56-23-5	Carbon Tetrachloride	0.65	UD	0.65	2.50	ug/L
594-20-7	2,2-Dichloropropane	12.7	D	0.60	2.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.65	UD	0.65	2.50	ug/L
74-97-5	Bromochloromethane	18.5	D	0.85	2.50	ug/L
67-66-3	Chloroform	0.85	UD	0.85	2.50	ug/L
71-55-6	1,1,1-Trichloroethane	0.60	UD	0.60	2.50	ug/L
108-87-2	Methylcyclohexane	0.46	UD	0.46	2.50	ug/L
563-58-6	1,1-Dichloropropene	19.0	D	0.55	2.50	ug/L
107-12-0	Propionitrile	5.80	UD	5.80	12.5	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WSDL		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08DL		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063539.D	5	07/18/25 16:24	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.55	UD	0.55	2.50	ug/L
107-06-2	1,2-Dichloroethane	0.70	UD	0.70	2.50	ug/L
79-01-6	Trichloroethene	0.65	UD	0.65	2.50	ug/L
78-87-5	1,2-Dichloropropane	0.65	UD	0.65	2.50	ug/L
109-69-3	1-Chlorobutane	0.60	UD	0.60	2.50	ug/L
74-95-3	Dibromomethane	15.4	D	0.75	2.50	ug/L
75-27-4	Bromodichloromethane	0.65	UD	0.65	2.50	ug/L
108-10-1	4-Methyl-2-Pentanone	3.20	UD	3.20	12.5	ug/L
108-88-3	Toluene	0.55	UD	0.55	2.50	ug/L
10061-02-6	t-1,3-Dichloropropene	10.2	D	0.55	2.50	ug/L
10061-01-5	cis-1,3-Dichloropropene	13.3	D	0.55	2.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.65	UD	0.65	2.50	ug/L
142-28-9	1,3-Dichloropropane	3.70	D	0.60	2.50	ug/L
591-78-6	2-Hexanone	3.30	UDQ	3.30	12.5	ug/L
124-48-1	Dibromochloromethane	1.00	UD	1.00	2.50	ug/L
106-93-4	1,2-Dibromoethane	0.65	UD	0.65	2.50	ug/L
127-18-4	Tetrachloroethene	0.70	UD	0.70	2.50	ug/L
108-90-7	Chlorobenzene	0.55	UD	0.55	2.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	14.6	D	0.65	2.50	ug/L
67-72-1	Hexachloroethane	0.60	UD	0.60	2.50	ug/L
100-41-4	Ethyl Benzene	2.10	UD	2.10	2.50	ug/L
179601-23-1	m/p-Xylenes	3.70	UD	3.70	5.00	ug/L
1330-20-7	Total Xylenes	5.50	UD	5.50	7.50	ug/L
95-47-6	o-Xylene	1.80	UD	1.80	2.50	ug/L
100-42-5	Styrene	1.90	UD	1.90	2.50	ug/L
75-25-2	Bromoform	1.60	UD	1.60	2.50	ug/L
98-82-8	Isopropylbenzene	7.70	D	1.90	2.50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	14.2	D	0.65	2.50	ug/L
96-18-4	1,2,3-Trichloropropane	10.9	D	0.95	2.50	ug/L
108-86-1	Bromobenzene	4.40	D	0.65	2.50	ug/L
103-65-1	n-propylbenzene	17.4	D	2.10	2.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-UNRVOA-WSDL		SDG No.:	Q2552	
Lab Sample ID:	Q2552-08DL		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063539.D	5	07/18/25 16:24	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.70	D	1.40	2.50	ug/L
108-67-8	1,3,5-Trimethylbenzene	4.60	D	1.90	2.50	ug/L
106-43-4	4-Chlorotoluene	5.90	D	1.40	2.50	ug/L
98-06-6	tert-Butylbenzene	4.20	D	1.90	2.50	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.80	D	2.00	2.50	ug/L
135-98-8	sec-Butylbenzene	11.8	D	1.80	2.50	ug/L
99-87-6	p-Isopropyltoluene	16.1	D	2.10	2.50	ug/L
541-73-1	1,3-Dichlorobenzene	6.40	D	0.65	2.50	ug/L
106-46-7	1,4-Dichlorobenzene	0.65	UD	0.65	2.50	ug/L
104-51-8	n-Butylbenzene	11.8	D	2.20	2.50	ug/L
95-50-1	1,2-Dichlorobenzene	0.70	UD	0.70	2.50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	UD	1.20	2.50	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	UD	1.10	2.50	ug/L
87-68-3	Hexachlorobutadiene	34.4	D	0.70	2.50	ug/L
91-20-3	Naphthalene	14.9	D	1.70	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	27.9	D	1.60	2.50	ug/L
74-88-4	Iodomethane	5.90	D	0.47	5.00	ug/L
107-05-1	Allyl Chloride	0.65	UD	0.65	2.50	ug/L
126-98-7	Methacrylonitrile	1.20	UD	1.20	2.50	ug/L
80-62-6	Methyl methacrylate	1.20	UD	1.20	5.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 - 130	105%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 - 130	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	18300	6.1			

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25
Project:	NJ Drinking Water PT		Date Received:	07/09/25
Client Sample ID:	WS0725-PT-UNRVOA-WSDL		SDG No.:	Q2552
Lab Sample ID:	Q2552-08DL		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063539.D	5	07/18/25 16:24	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063539.D
 Acq On : 18 Jul 2025 16:24
 Operator : MD/SY
 Sample : Q2552-08DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS0725-PT-UNRVOA-WSDL

Quant Time: Jul 18 23:51:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

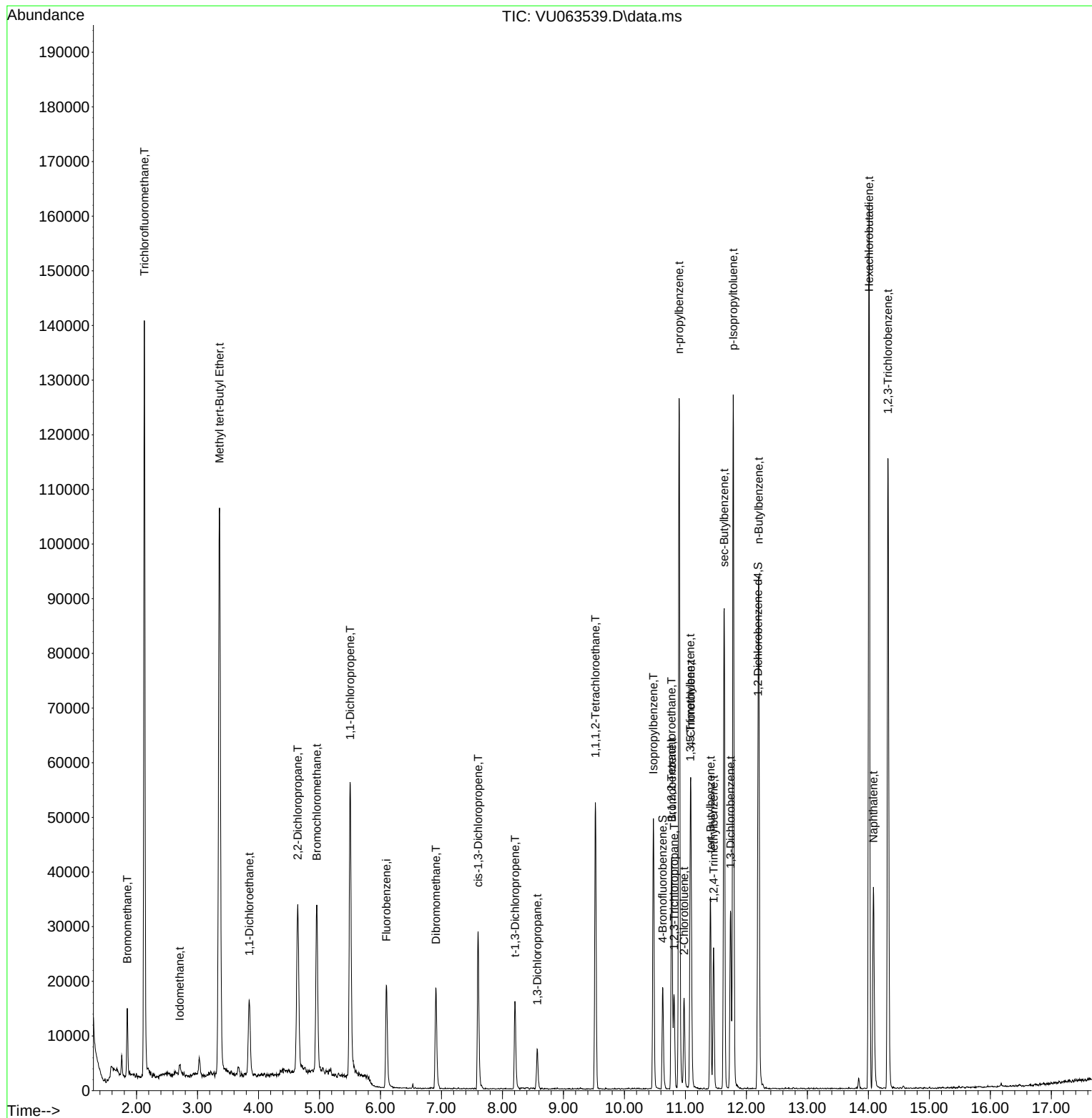
Internal Standards						
1) Fluorobenzene	6.100	96	18307	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	6937	1.001	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	6716	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.849	94	5509	1.143	ug/l	99
7) Trichlorofluoromethane	2.129	101	87541	9.541	ug/l	98
10) Iodomethane	2.708	142	2061	1.179	ug/l	92
17) 1,1-Dichloroethane	3.849	63	16340	1.633	ug/l	98
21) 2,2-Dichloropropane	4.643	77	21580	2.533	ug/l	94
25) Methyl tert-Butyl Ether	3.361	73	117828	9.496	ug/l	99
26) Bromochloromethane	4.955	128	9035	3.694	ug/l	94
29) 1,1-Dichloropropene	5.505	75	30453	3.794	ug/l	97
43) Dibromomethane	6.910	93	8049	3.078	ug/l	93
50) t-1,3-Dichloropropene	8.206	75	9438	2.040	ug/l	96
51) cis-1,3-Dichloropropene	7.602	75	16523	2.661	ug/l	94
53) 1,3-Dichloropropane	8.573	76	4537	0.747	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	12715	2.924	ug/l	97
69) Isopropylbenzene	10.476	105	32470	1.545	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.772	83	12200	2.848	ug/l	96
71) 1,2,3-Trichloropropane	10.814	75	7577	2.178	ug/l #	96
72) Bromobenzene	10.778	156	4727	0.872	ug/l	88
73) n-propylbenzene	10.897	120	22074	3.489	ug/l	92
74) 2-Chlorotoluene	10.981	126	3005	0.537	ug/l	84
75) 1,3,5-Trimethylbenzene	11.081	105	18365	0.915	ug/l	98
76) 4-Chlorotoluene	11.090	126	6710	1.182	ug/l	99
77) tert-Butylbenzene	11.412	119	16207	0.845	ug/l	89
78) 1,2,4-Trimethylbenzene	11.463	105	15217	0.764	ug/l	96
79) sec-Butylbenzene	11.634	105	61202	2.366	ug/l	96
81) p-Isopropyltoluene	11.785	119	69619	3.224	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	13904	1.281	ug/l	98
84) n-Butylbenzene	12.203	91	47169	2.355	ug/l	97
88) Hexachlorobutadiene	14.013	225	24756	6.876	ug/l	98
89) Naphthalene	14.084	128	33751	2.971	ug/l	98
90) 1,2,3-Trichlorobenzene	14.322	180	32717	5.585	ug/l	97

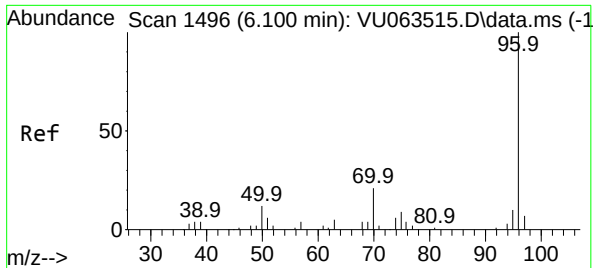
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063539.D
Acq On : 18 Jul 2025 16:24
Operator : MD/SY
Sample : Q2552-08DL 5X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

Quant Time: Jul 18 23:51:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

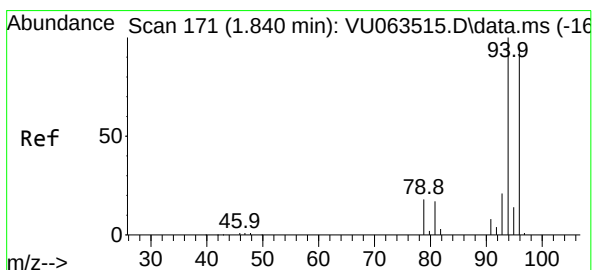
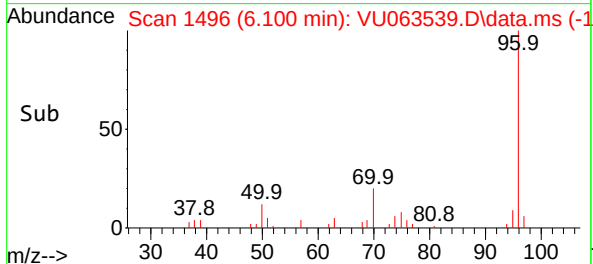
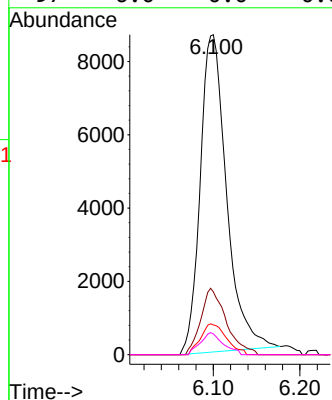
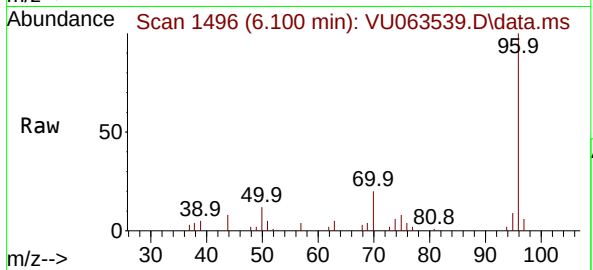




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

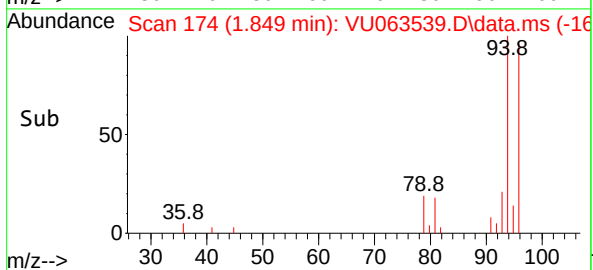
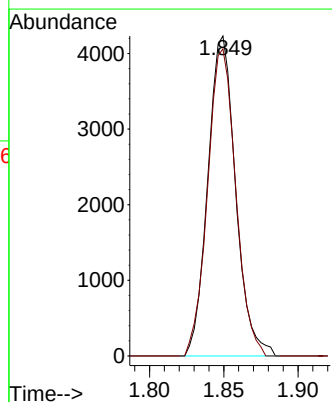
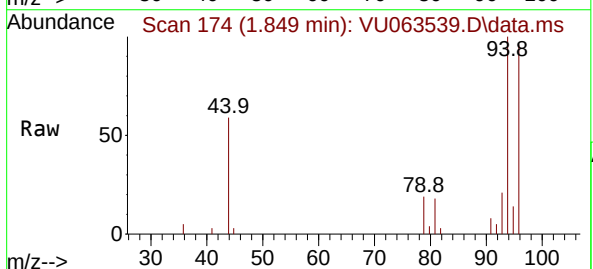
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

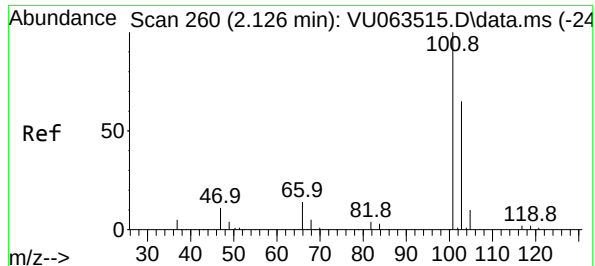
Tgt Ion:	96	Resp:	18307
Ion Ratio	Lower	Upper	
96	100		
70	20.1	15.0	22.4
95	9.5	7.4	11.0
97	6.0	0.0	0.0



#5
Bromomethane
Concen: 1.143 ug/l
RT: 1.849 min Scan# 174
Delta R.T. 0.010 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:	94	Resp:	5509
Ion Ratio	Lower	Upper	
94	100		
96	95.9	75.8	113.6

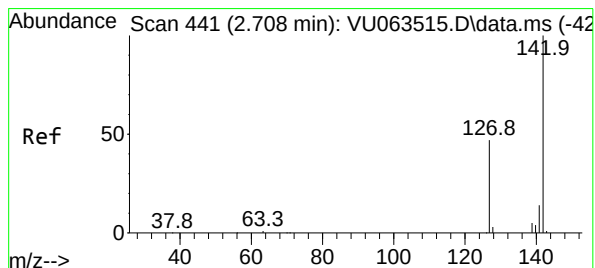
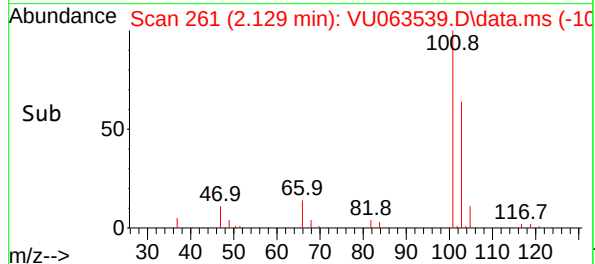
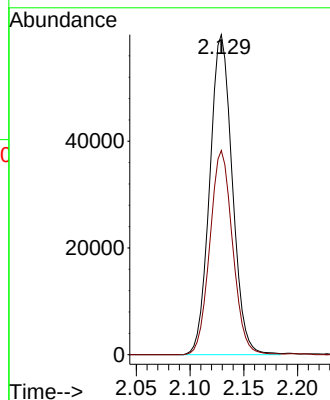
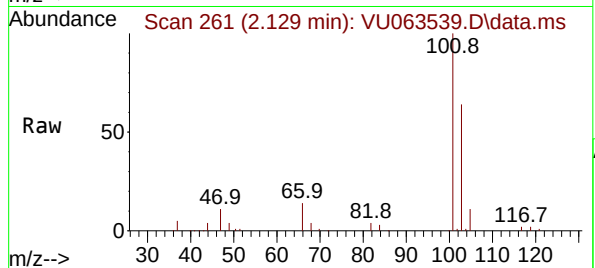




#7
Trichlorofluoromethane
Concen: 9.541 ug/l
RT: 2.129 min Scan# 260
Delta R.T. 0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

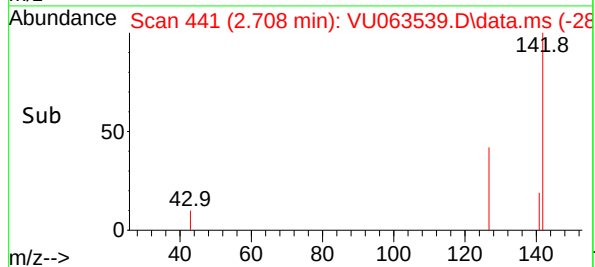
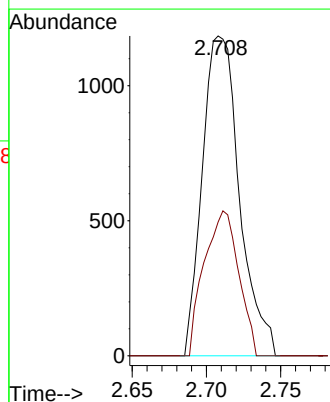
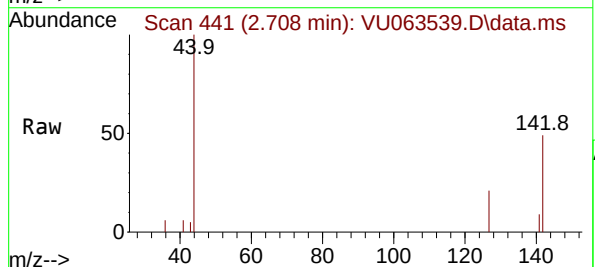
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

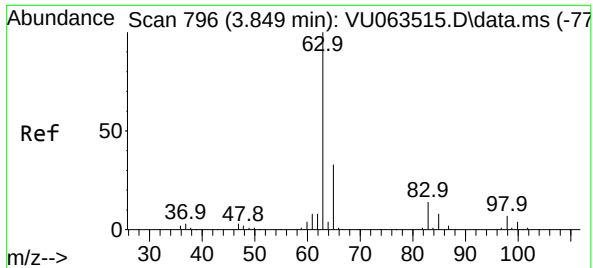
Tgt Ion:101 Resp: 87541
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.4



#10
Iodomethane
Concen: 1.179 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:142 Resp: 2061
Ion Ratio Lower Upper
142 100
127 42.0 37.9 56.9





#17

1,1-Dichloroethane

Concen: 1.633 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WSDL

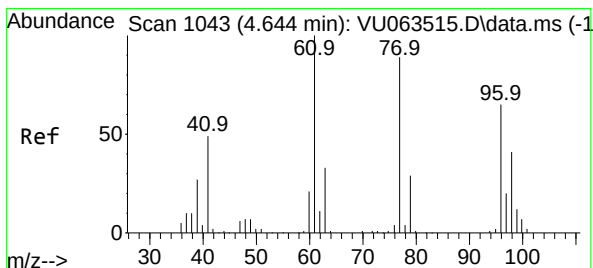
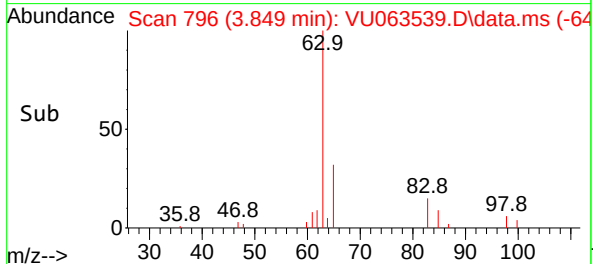
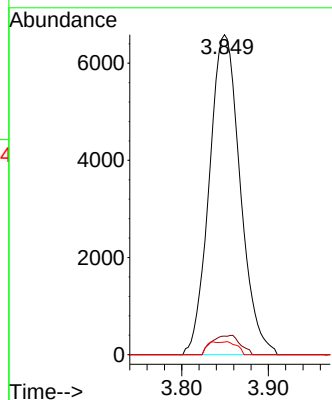
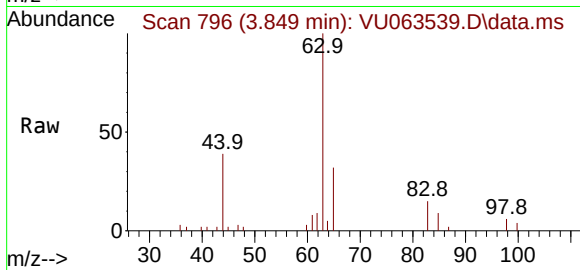
Tgt Ion: 63 Resp: 16340

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

100 3.9 2.1 6.2



#21

2,2-Dichloropropane

Concen: 2.533 ug/l

RT: 4.643 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VU063539.D

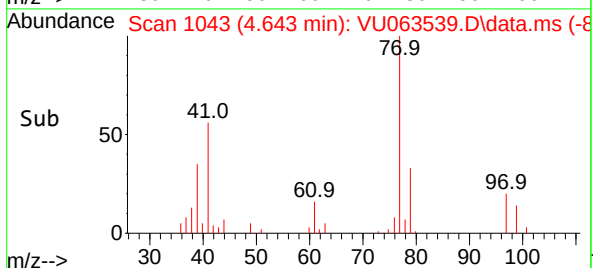
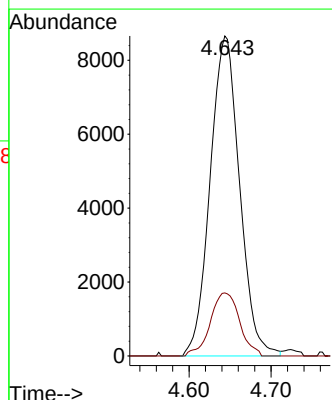
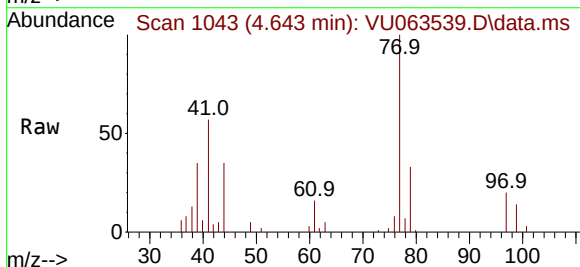
Acq: 18 Jul 2025 16:24

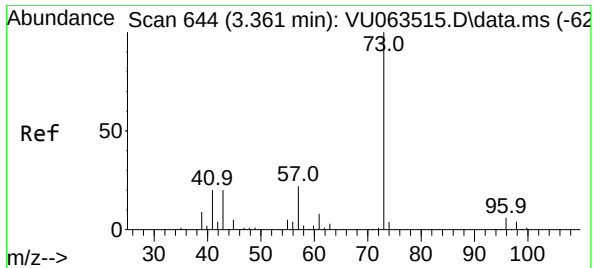
Tgt Ion: 77 Resp: 21580

Ion Ratio Lower Upper

77 100

97 19.6 17.8 26.8

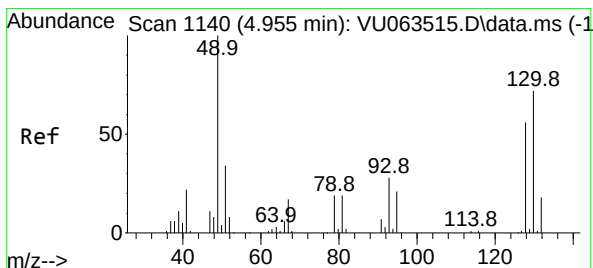
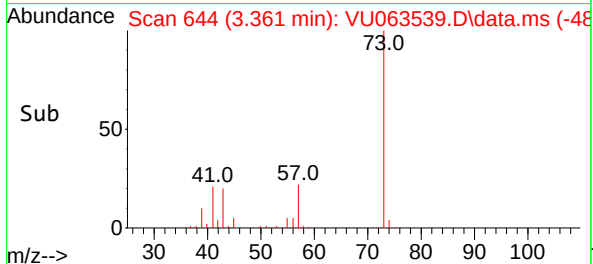
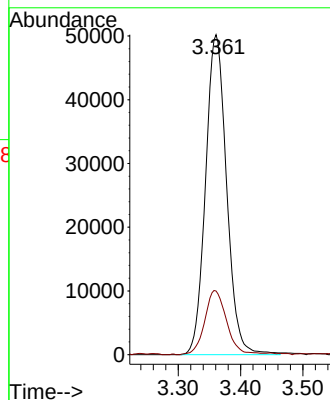
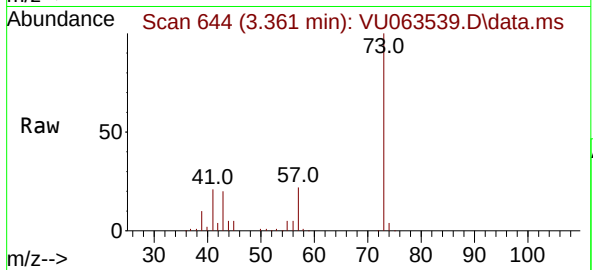




#25
Methyl tert-Butyl Ether
Concen: 9.496 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

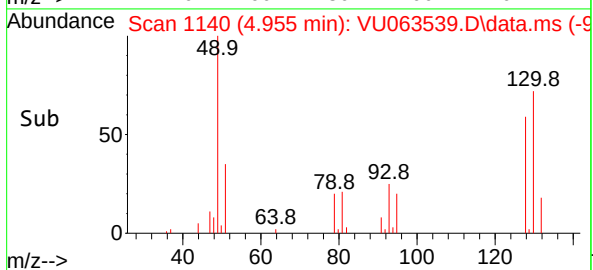
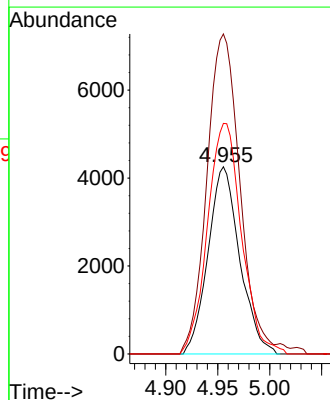
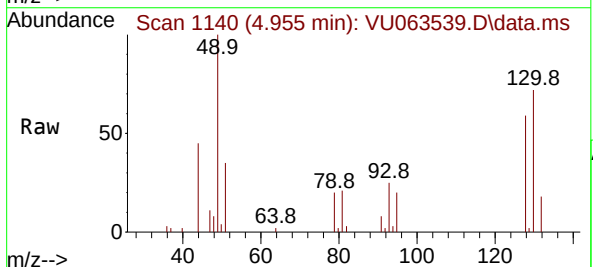
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

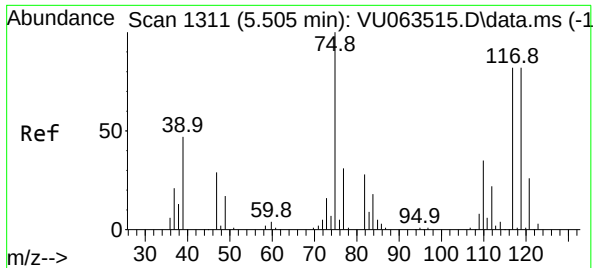
Tgt Ion: 73 Resp: 117828
Ion Ratio Lower Upper
73 100
43 20.9 16.2 24.2



#26
Bromochloromethane
Concen: 3.694 ug/l
RT: 4.955 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion: 128 Resp: 9035
Ion Ratio Lower Upper
128 100
49 179.2 0.0 340.8
130 132.3 100.5 150.7





#29

1,1-Dichloropropene

Concen: 3.794 ug/l

RT: 5.505 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WSDL

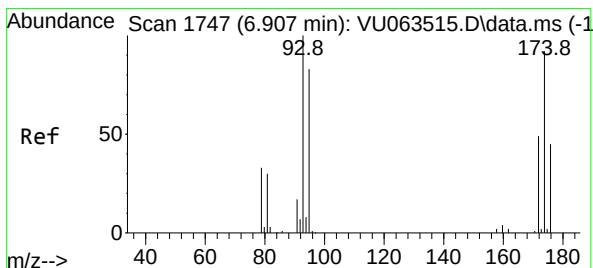
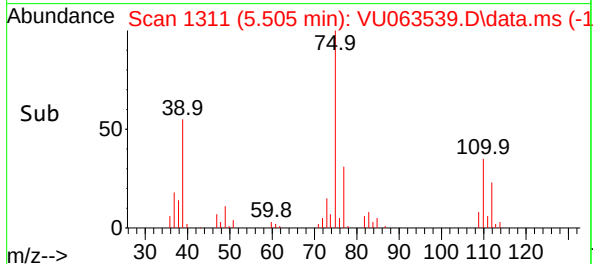
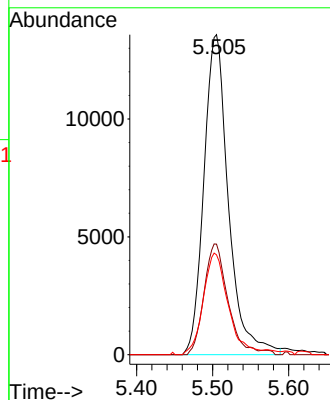
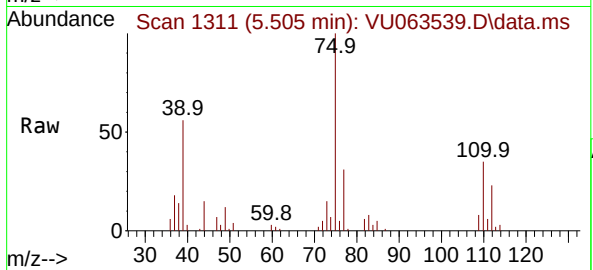
Tgt Ion: 75 Resp: 30453

Ion Ratio Lower Upper

75 100

110 33.3 17.8 53.4

77 32.1 24.6 37.0



#43

Dibromomethane

Concen: 3.078 ug/l

RT: 6.910 min Scan# 1748

Delta R.T. 0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

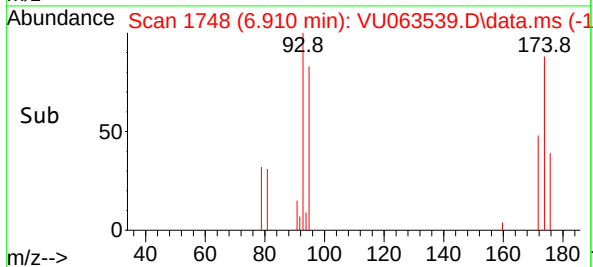
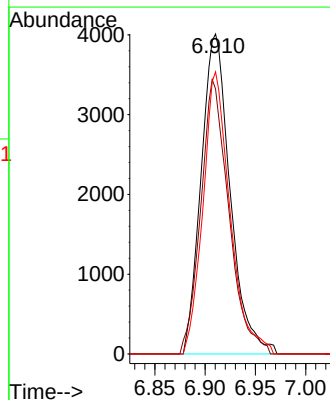
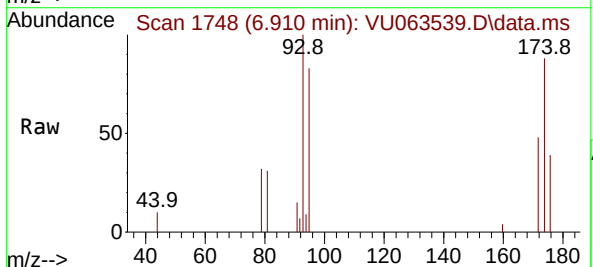
Tgt Ion: 93 Resp: 8049

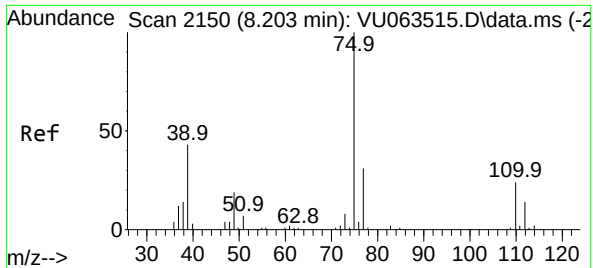
Ion Ratio Lower Upper

93 100

95 83.0 67.9 101.9

174 82.4 74.6 111.8





#50

t-1,3-Dichloropropene

Concen: 2.040 ug/l

RT: 8.206 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

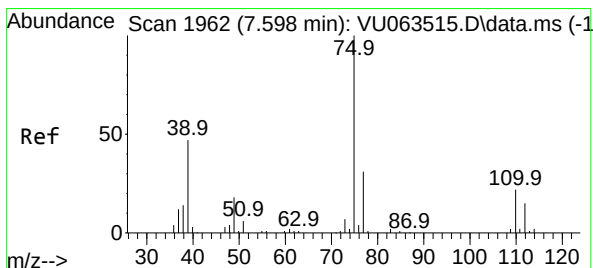
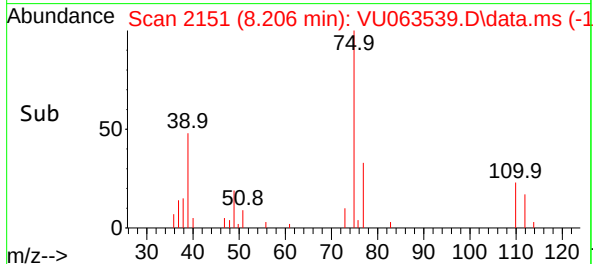
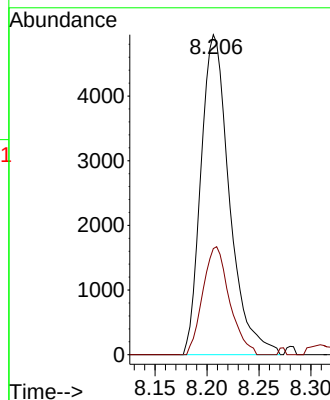
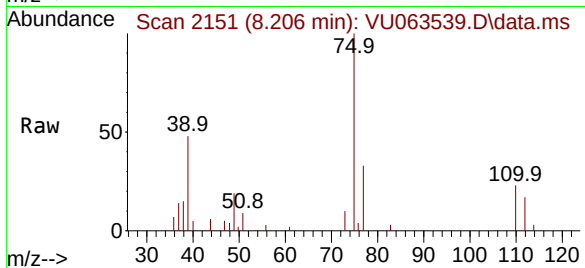
WS0725-PT-UNRVOA-WSDL

Tgt Ion: 75 Resp: 9438

Ion Ratio Lower Upper

75 100

77 33.1 24.9 37.3



#51

cis-1,3-Dichloropropene

Concen: 2.661 ug/l

RT: 7.602 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

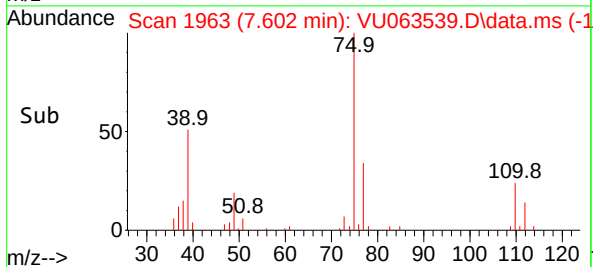
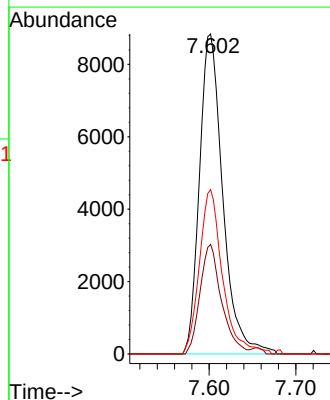
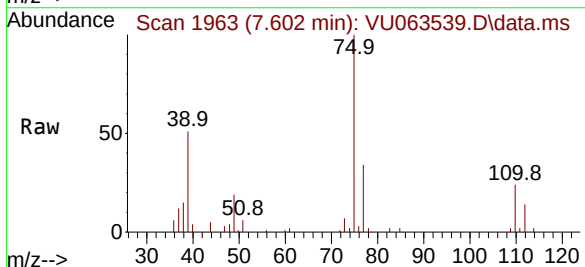
Tgt Ion: 75 Resp: 16523

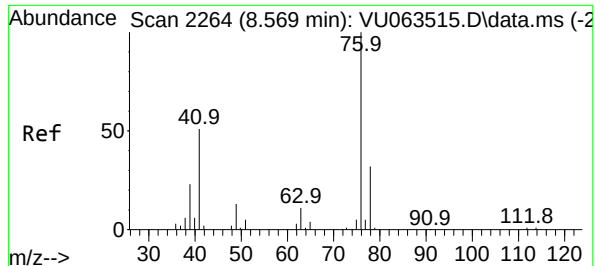
Ion Ratio Lower Upper

75 100

77 34.3 25.1 37.7

39 51.4 37.8 56.6





#53

1,3-Dichloropropane

Concen: 0.747 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

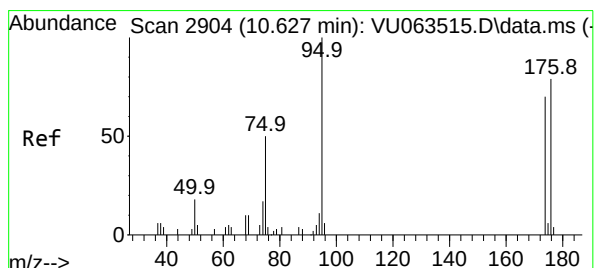
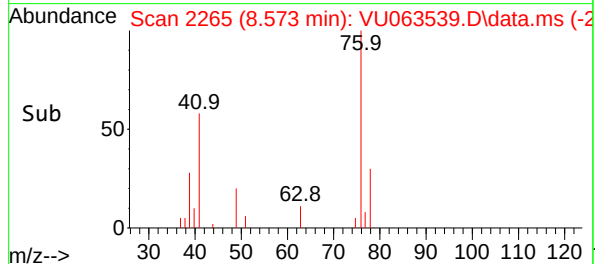
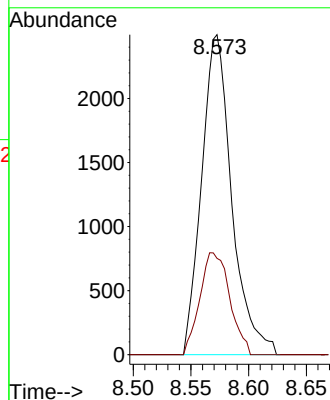
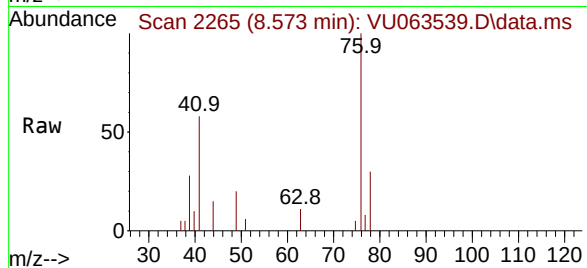
WS0725-PT-UNRVOA-WSDL

Tgt Ion: 76 Resp: 4537

Ion Ratio Lower Upper

76 100

78 31.6 26.0 39.0



#57

4-Bromofluorobenzene

Concen: 1.001 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

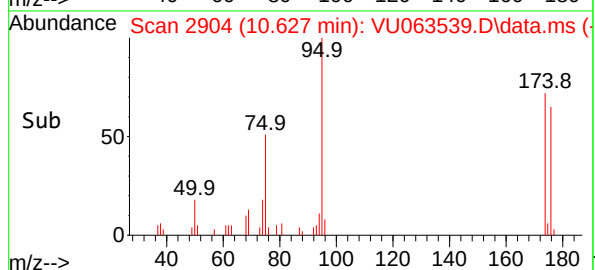
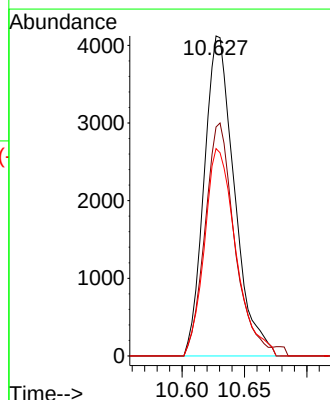
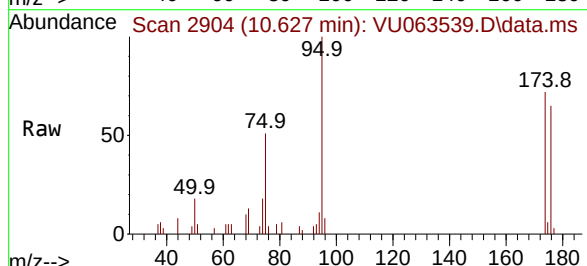
Tgt Ion: 95 Resp: 6937

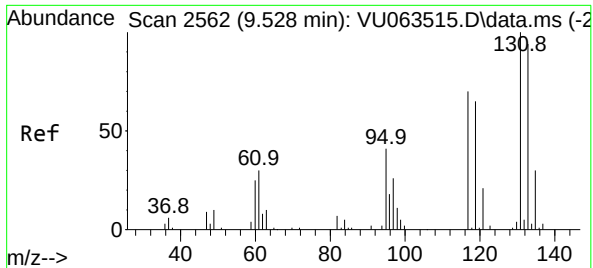
Ion Ratio Lower Upper

95 100

174 71.4 59.8 89.8

176 67.3 61.8 92.8

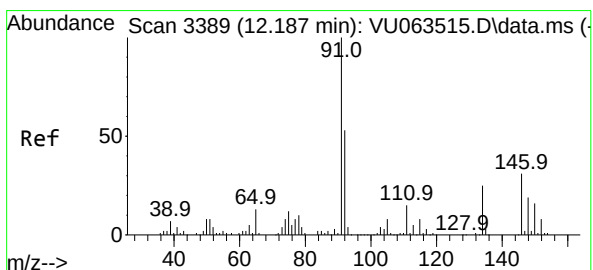
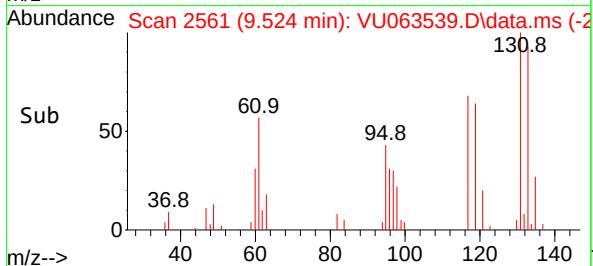
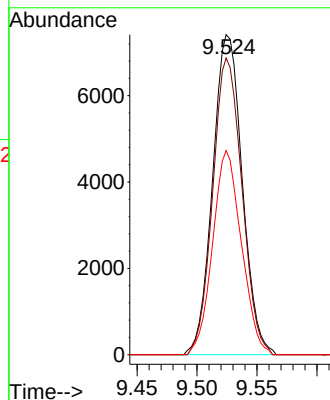
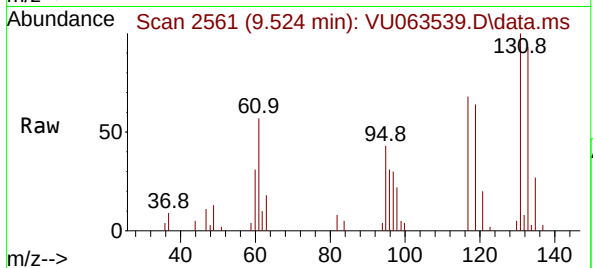




#60
1,1,1,2-Tetrachloroethane
Concen: 2.924 ug/l
RT: 9.524 min Scan# 2562
Delta R.T. -0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

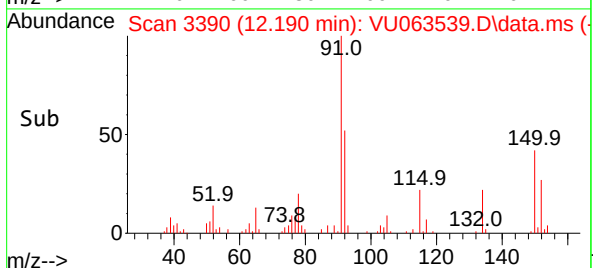
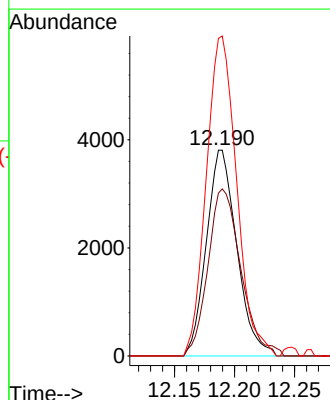
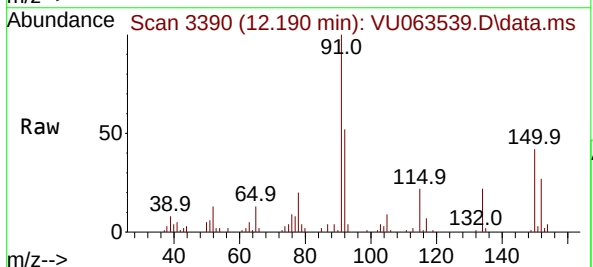
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

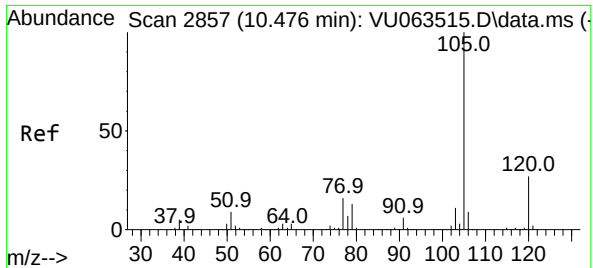
Tgt Ion:131 Resp: 12715
Ion Ratio Lower Upper
131 100
133 91.5 74.7 112.1
119 61.9 53.0 79.4



#68
1,2-Dichlorobenzene-d4
Concen: 1.048 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:152 Resp: 6716
Ion Ratio Lower Upper
152 100
115 87.8 0.0 262.2
150 154.9 0.0 651.2





#69

Isopropylbenzene

Concen: 1.545 ug/l

RT: 10.476 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

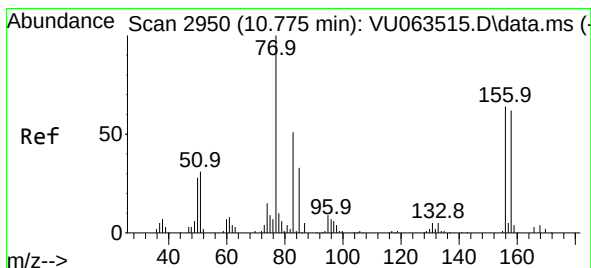
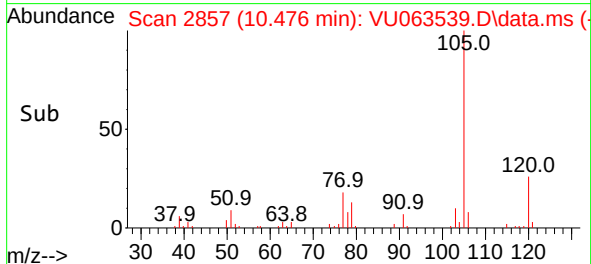
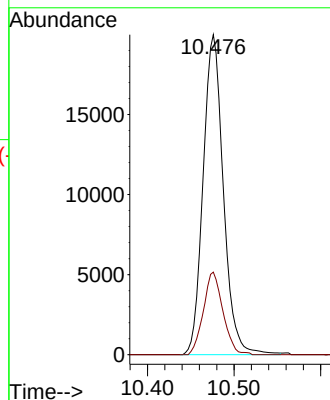
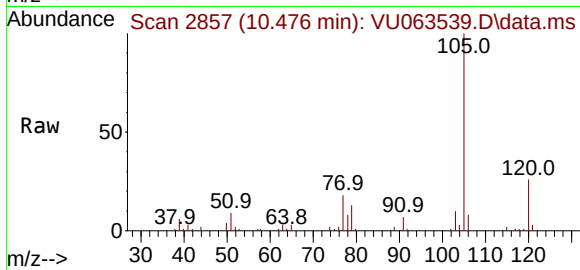
WS0725-PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 32470

Ion Ratio Lower Upper

105 100

120 24.9 13.2 39.5



#70

1,1,2,2-Tetrachloroethane

Concen: 2.848 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

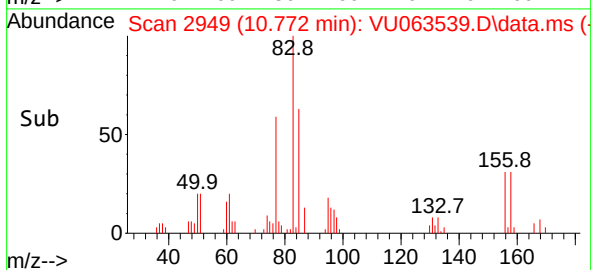
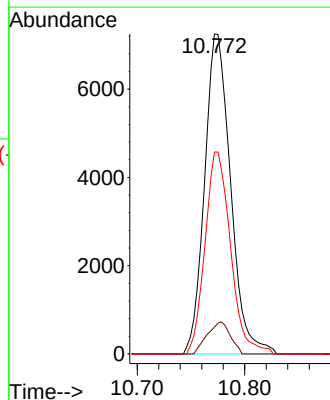
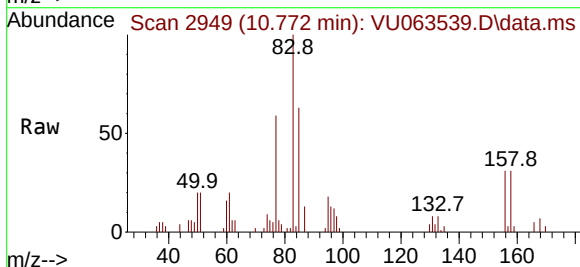
Tgt Ion: 83 Resp: 12200

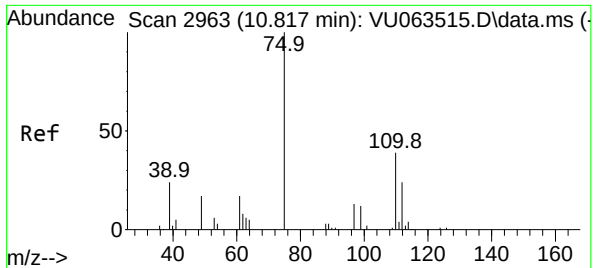
Ion Ratio Lower Upper

83 100

131 8.8 8.4 12.6

85 61.9 51.9 77.9

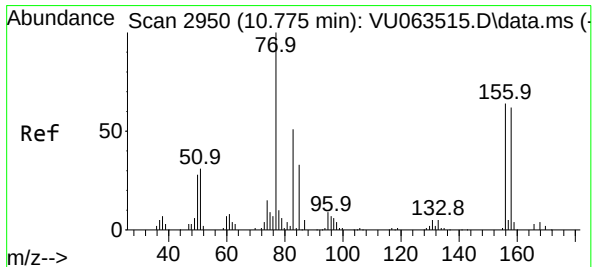
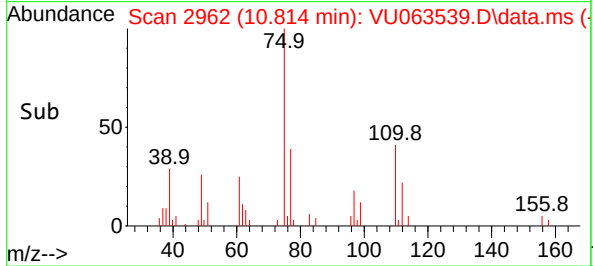
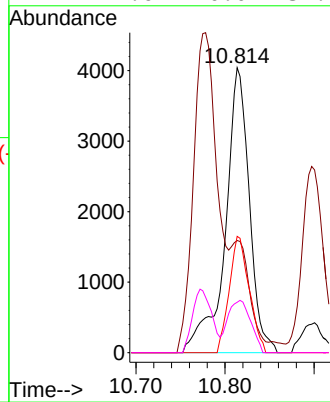
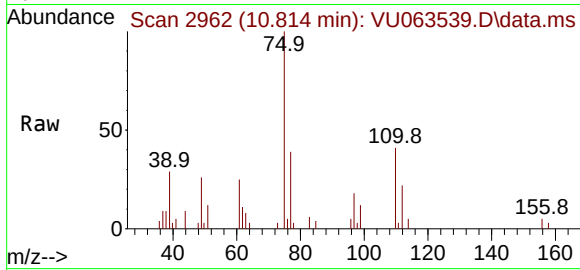




#71
1,2,3-Trichloropropane
Concen: 2.178 ug/l
RT: 10.814 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

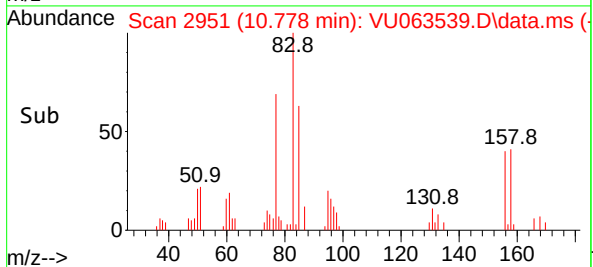
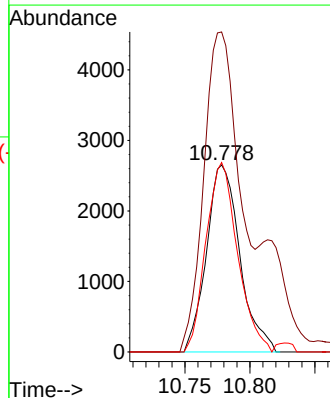
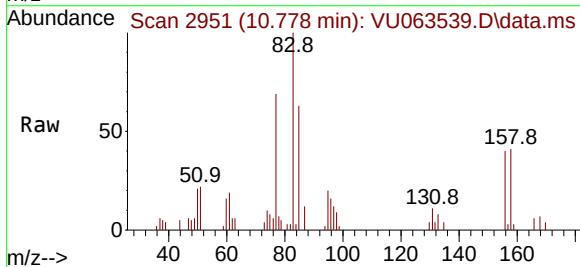
Instrument : MSVOA_U
ClientSampleId : WS0725-PT-UNRVOA-WSDL

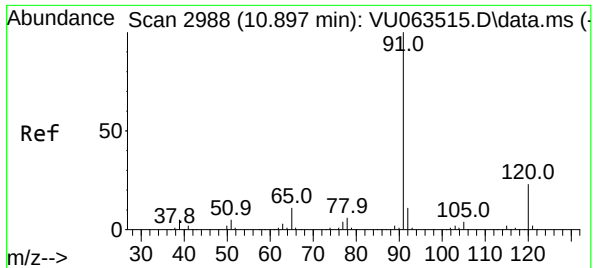
Tgt Ion:	75	Resp:	7577
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.7	0.0	73.2
97	17.6	0.0	37.6



#72
Bromobenzene
Concen: 0.872 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:	156	Resp:	4727
Ion	Ratio	Lower	Upper
156	100		
77	182.2	0.0	315.2
158	96.4	0.0	195.4





#73

n-propylbenzene

Concen: 3.489 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

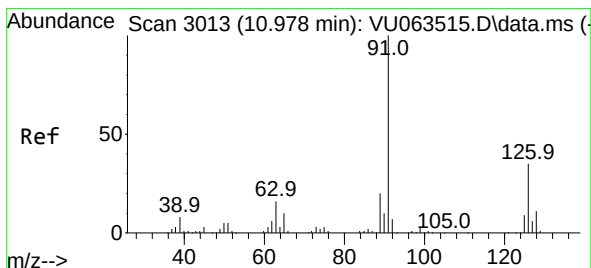
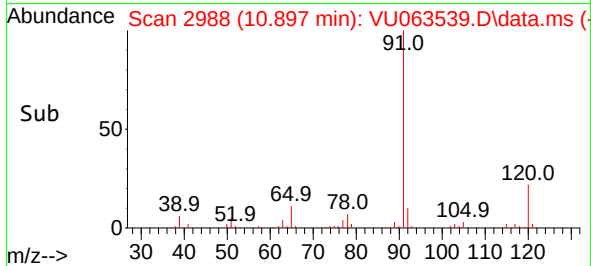
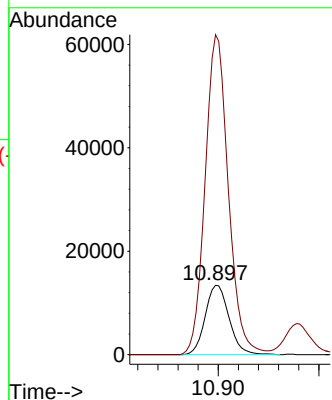
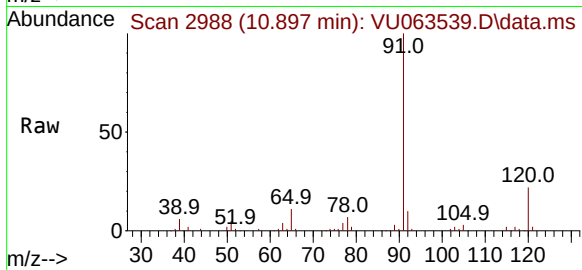
WS0725-PT-UNRVOA-WSDL

Tgt Ion:120 Resp: 22074

Ion Ratio Lower Upper

120 100

91 449.2 343.1 514.7



#74

2-Chlorotoluene

Concen: 0.537 ug/l

RT: 10.981 min Scan# 3014

Delta R.T. 0.003 min

Lab File: VU063539.D

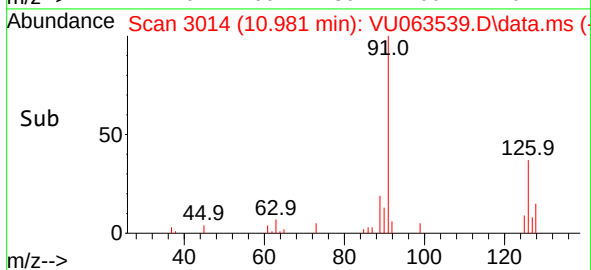
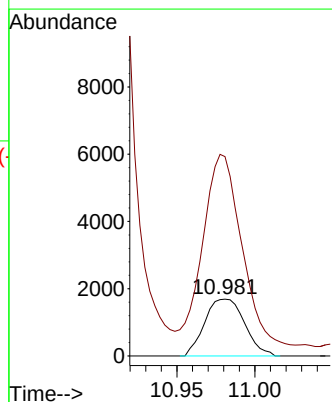
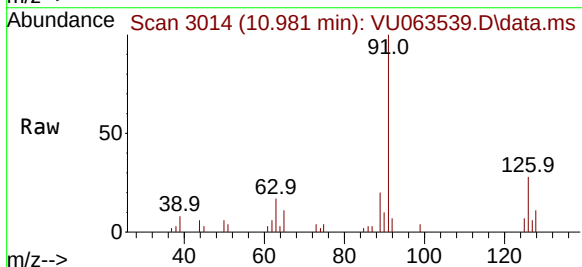
Acq: 18 Jul 2025 16:24

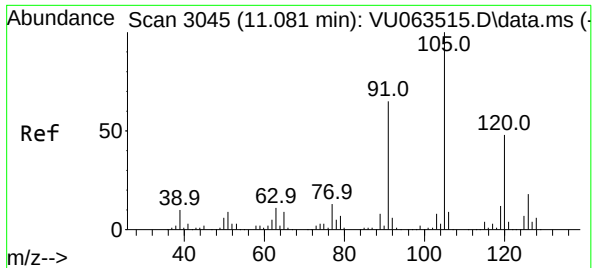
Tgt Ion:126 Resp: 3005

Ion Ratio Lower Upper

126 100

91 334.7 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 0.915 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

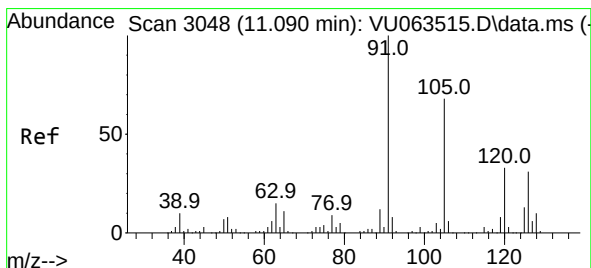
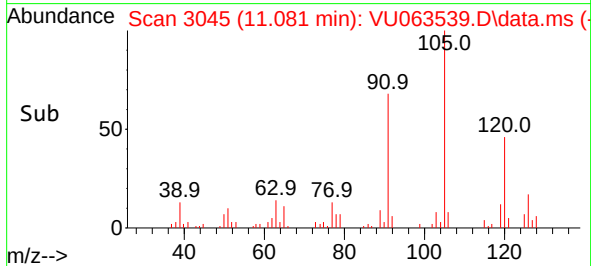
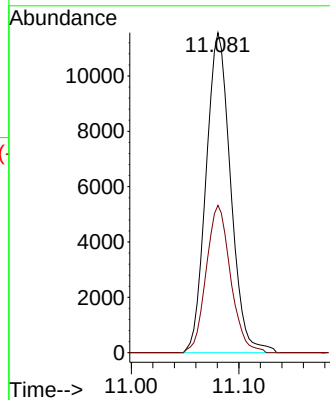
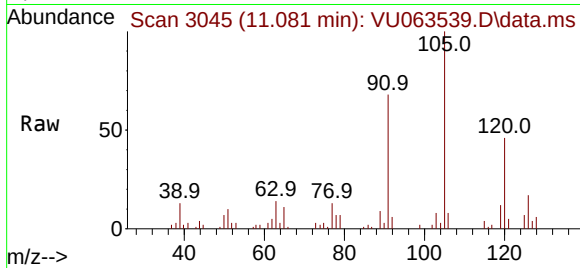
WS0725-PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 18365

Ion Ratio Lower Upper

105 100

120 45.7 37.8 56.8



#76

4-Chlorotoluene

Concen: 1.182 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. -0.000 min

Lab File: VU063539.D

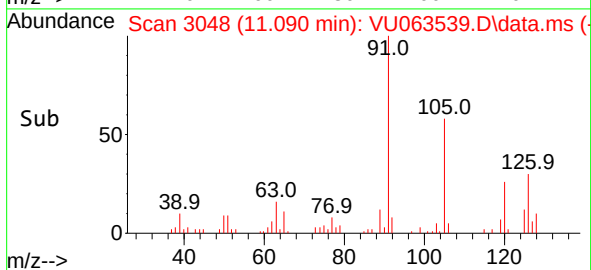
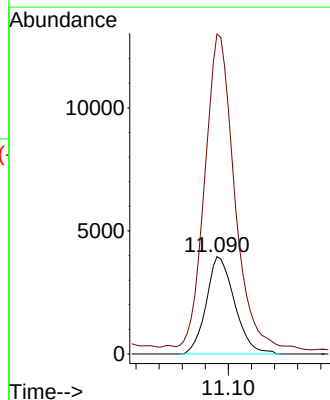
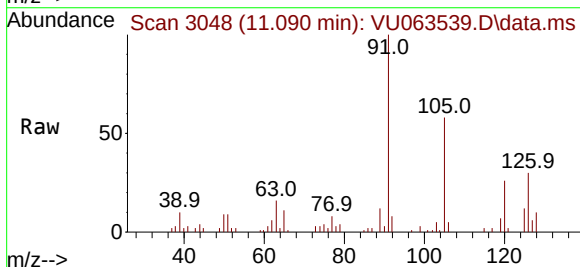
Acq: 18 Jul 2025 16:24

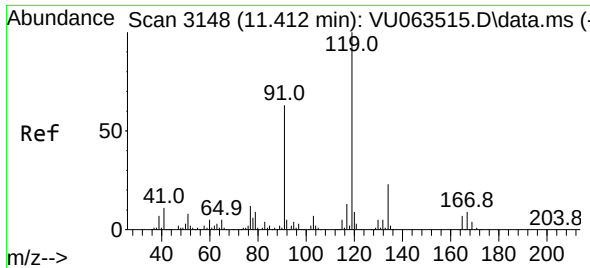
Tgt Ion:126 Resp: 6710

Ion Ratio Lower Upper

126 100

91 343.1 0.0 682.2

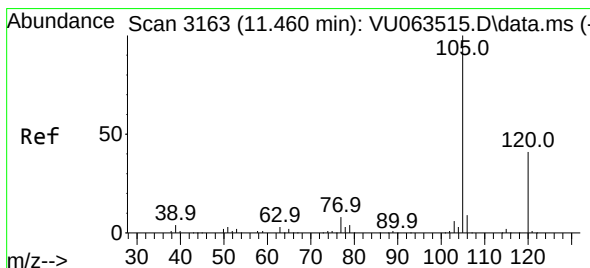
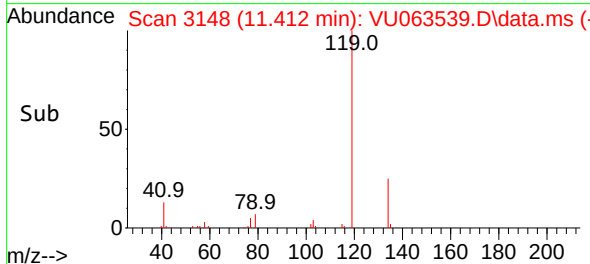
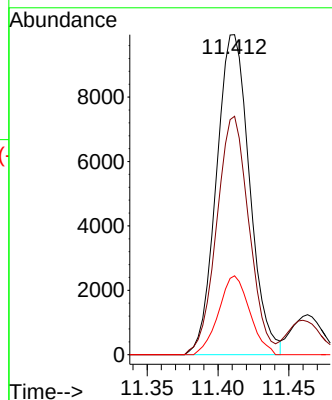
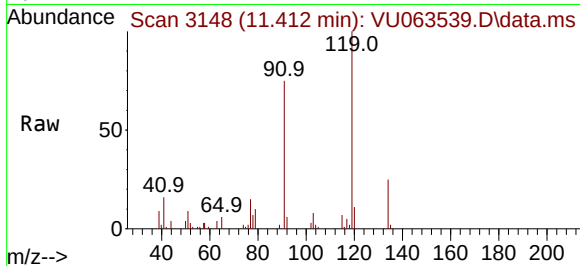




#77
tert-Butylbenzene
Concen: 0.845 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

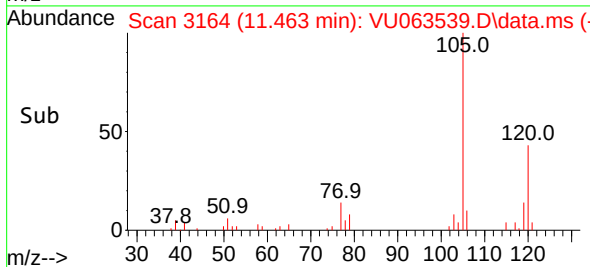
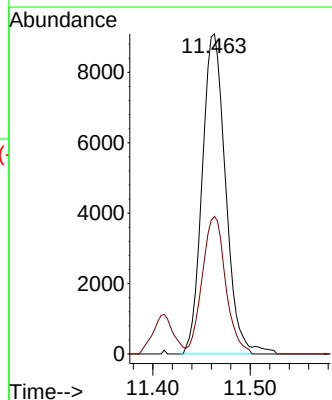
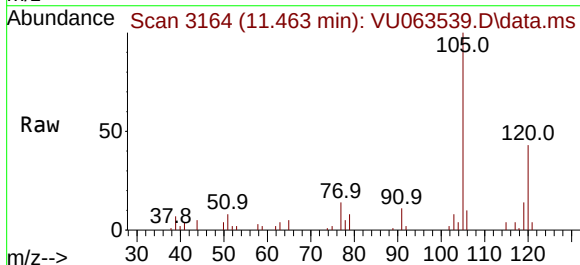
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

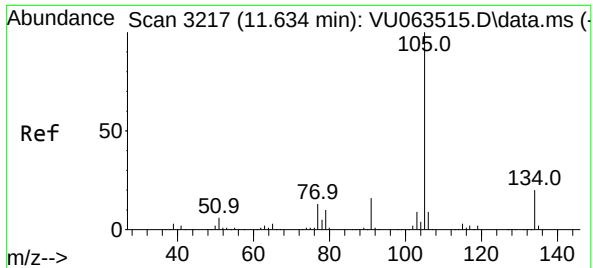
Tgt Ion:	119	Resp:	16207
Ion Ratio	Lower	Upper	
119	100		
91	72.5	30.7	92.1
134	23.1	18.5	27.7



#78
1,2,4-Trimethylbenzene
Concen: 0.764 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:	105	Resp:	15217
Ion Ratio	Lower	Upper	
105	100		
120	42.8	22.7	68.0





#79

sec-Butylbenzene

Concen: 2.366 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

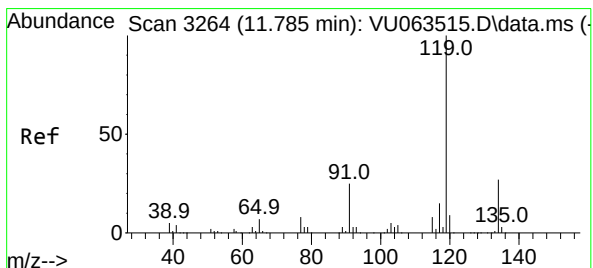
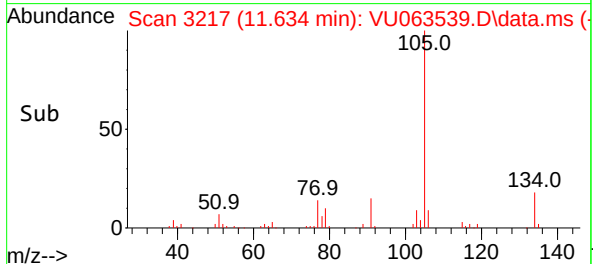
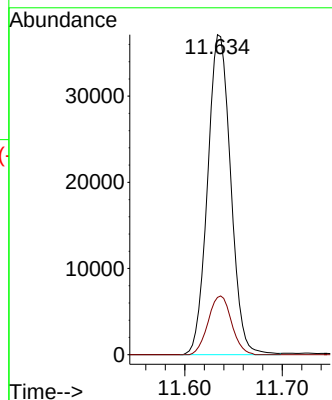
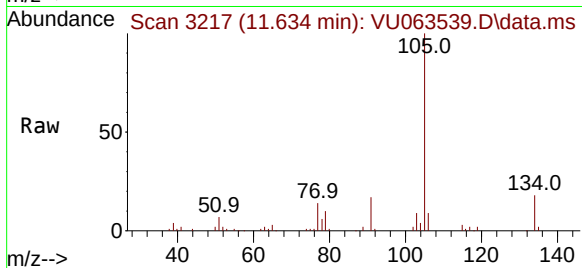
WS0725-PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 61202

Ion Ratio Lower Upper

105 100

134 18.6 16.2 24.4



#81

p-Isopropyltoluene

Concen: 3.224 ug/l

RT: 11.785 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

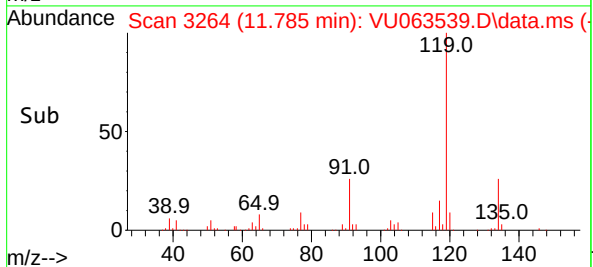
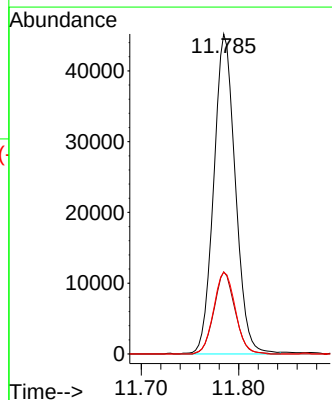
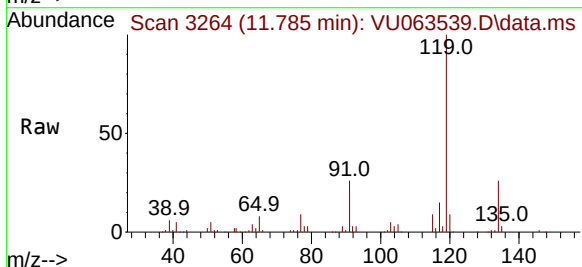
Tgt Ion:119 Resp: 69619

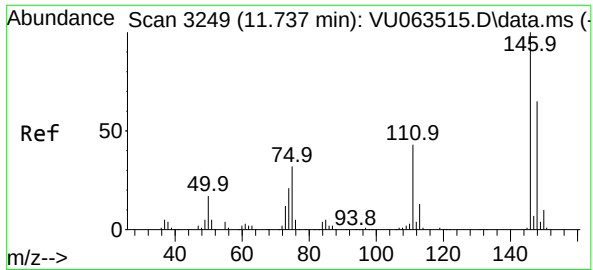
Ion Ratio Lower Upper

119 100

134 24.9 21.1 31.7

91 25.6 19.8 29.8





#82

1,3-Dichlorobenzene

Concen: 1.281 ug/l

RT: 11.743 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063539.D

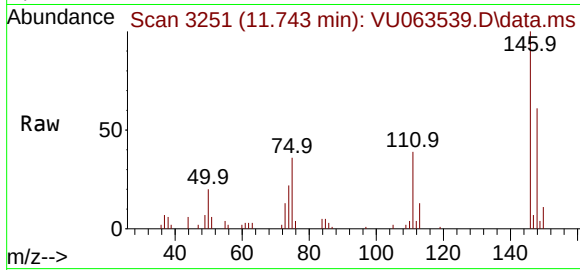
Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WSDL



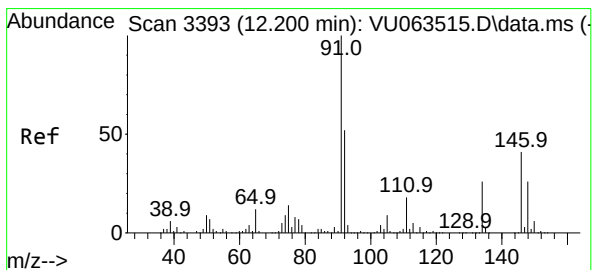
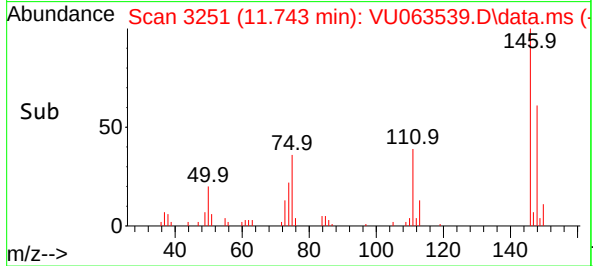
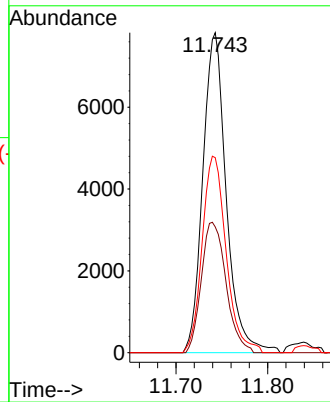
Tgt Ion:146 Resp: 13904

Ion Ratio Lower Upper

146 100

111 42.9 33.8 50.6

148 62.9 51.5 77.3



#84

n-Butylbenzene

Concen: 2.355 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063539.D

Acq: 18 Jul 2025 16:24

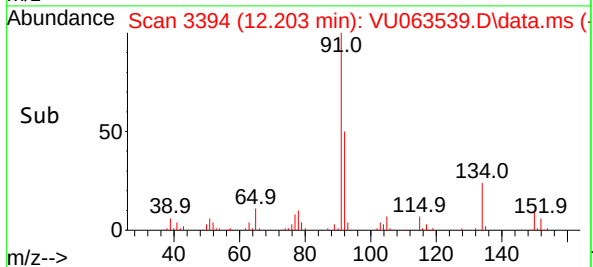
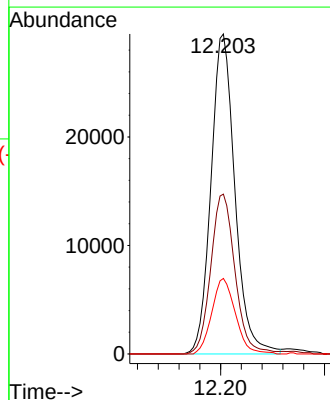
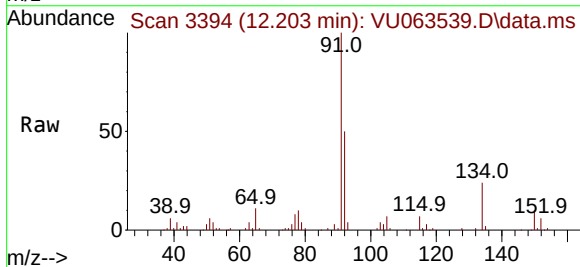
Tgt Ion: 91 Resp: 47169

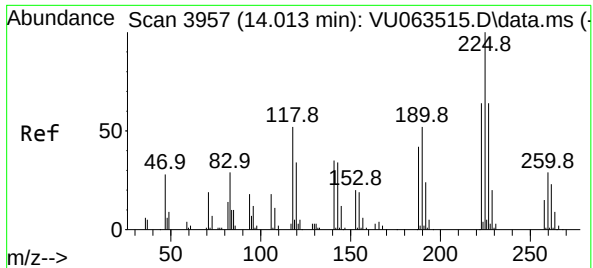
Ion Ratio Lower Upper

91 100

92 50.5 41.5 62.3

134 23.3 20.6 30.8

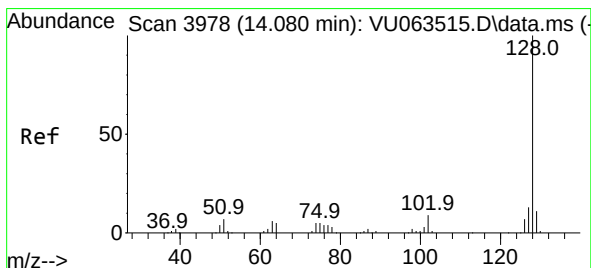
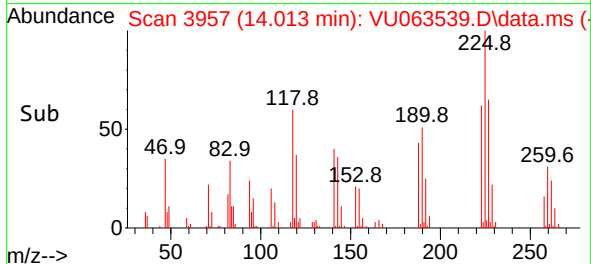
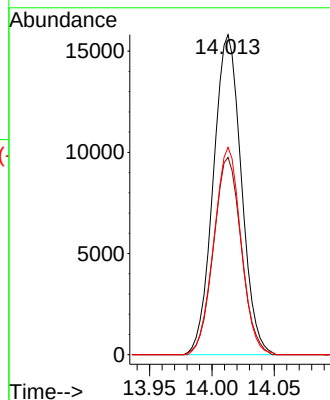
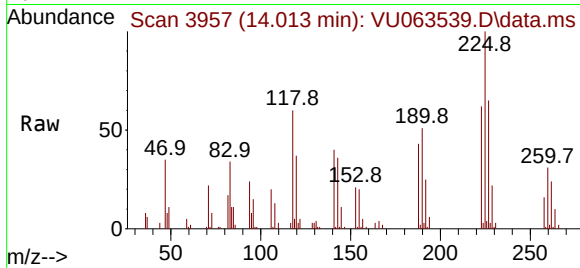




#88
Hexachlorobutadiene
Concen: 6.876 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. -0.000 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

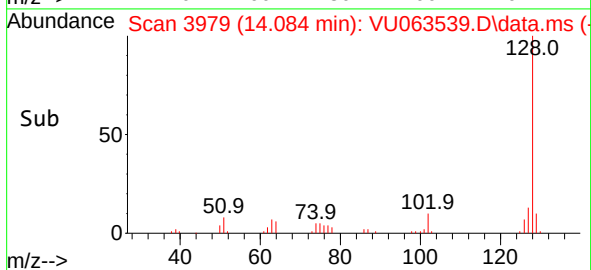
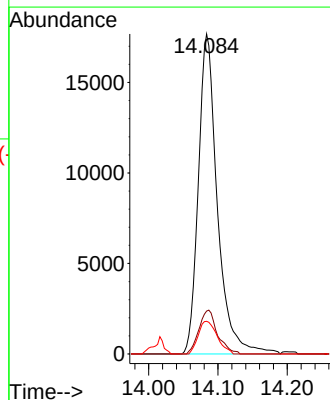
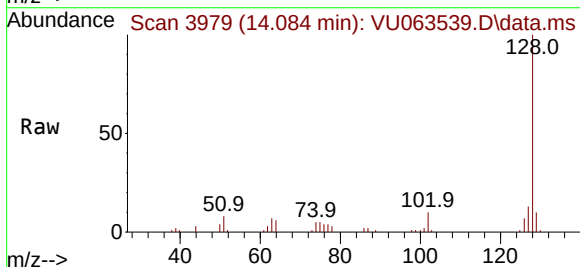
Instrument :
MSVOA_U
ClientSampleId :
WS0725-PT-UNRVOA-WSDL

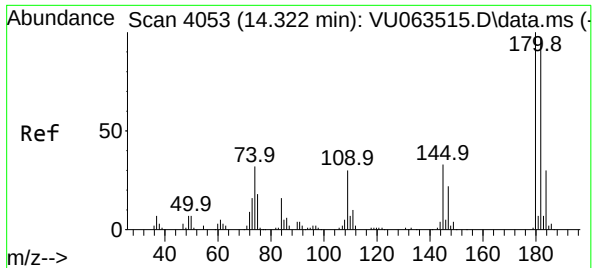
Tgt Ion:225 Resp: 24756
Ion Ratio Lower Upper
225 100
223 61.1 50.8 76.2
227 62.9 51.0 76.6



#89
Naphthalene
Concen: 2.971 ug/l
RT: 14.084 min Scan# 3979
Delta R.T. 0.004 min
Lab File: VU063539.D
Acq: 18 Jul 2025 16:24

Tgt Ion:128 Resp: 33751
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.2 8.8 13.2





#90

1,2,3-Trichlorobenzene

Concen: 5.585 ug/l

RT: 14.322 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU063539.D

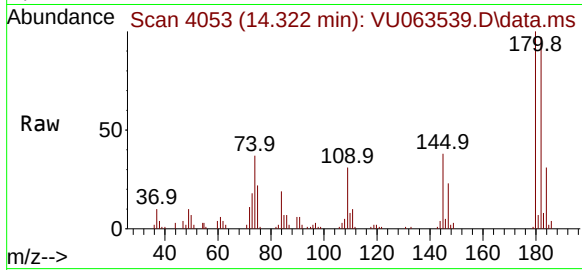
Acq: 18 Jul 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

WS0725-PT-UNRVOA-WSDL



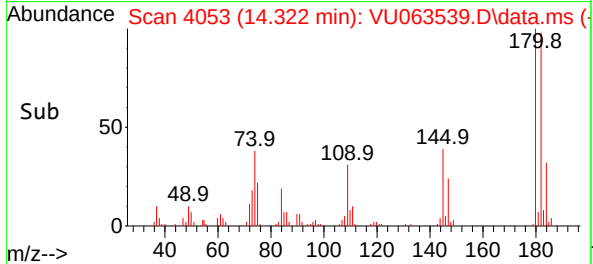
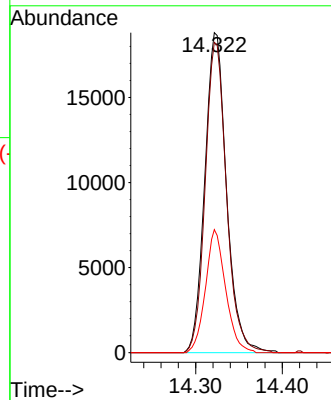
Tgt Ion:180 Resp: 32717

Ion Ratio Lower Upper

180 100

182 95.0 78.0 117.0

145 35.7 27.3 40.9





CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2552</u>
Instrument ID:	<u>MSVOA_U</u>	Calibration Date(s):	<u>07/16/2025</u> <u>07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:24</u> <u>12:11</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

LAB FILE ID:		RRF0.5 = VU063511.D		RRF001 = VU063512.D		RRF002 = VU063513.D		
		RRF005 = VU063514.D		RRF010 = VU063515.D		RRF015 = VU063516.D		
COMPOUND	RRF0.5	RRF001	RRF002	RRF005	RRF010	RRF015	RRF	% RSD
Dichlorodifluoromethane	0.297	0.288	0.281	0.290	0.296	0.317	0.295	4.1
Chloromethane	0.269	0.291	0.261	0.270	0.268	0.285	0.274	4.1
Vinyl Chloride	0.338	0.353	0.333	0.340	0.355	0.376	0.349	4.5
Bromomethane	0.275	0.289	0.267	0.252	0.244	0.254	0.263	6.4
Chloroethane	0.208	0.212	0.199	0.207	0.214	0.226	0.211	4.3
Tetrahydrofuran	0.079	0.054	0.054	0.050	0.052	0.055	0.057	18.6
Trichlorofluoromethane	0.493	0.508	0.471	0.494	0.509	0.532	0.501	4.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.248	0.267	0.252	0.261	0.266	0.278	0.262	4.1
tert-Butyl Alcohol		0.025	0.022	0.023	0.024	0.025	0.024	5.8
Diethyl Ether	0.172	0.202	0.194	0.199	0.206	0.213	0.198	7.2
1,1-Dichloroethene	0.260	0.262	0.241	0.256	0.265	0.274	0.260	4.3
Acrylonitrile	0.067	0.069	0.064	0.062	0.063	0.063	0.065	4.3
Acetone	0.055	0.049	0.053	0.045	0.050	0.061	0.052	10.7
Carbon Disulfide	0.817	0.848	0.786	0.819	0.861	0.900	0.839	4.8
Methyl tert-Butyl Ether	0.635	0.700	0.646	0.666	0.693	0.727	0.678	5.2
Methyl acrylate	0.162	0.161	0.140	0.152	0.168	0.174	0.160	7.7
Methylene Chloride	0.327	0.328	0.287	0.290	0.293	0.308	0.306	6.1
trans-1,2-Dichloroethene	0.287	0.312	0.278	0.284	0.298	0.310	0.295	4.7
1,1-Dichloroethane	0.530	0.569	0.520	0.539	0.549	0.572	0.546	3.8
Cyclohexane	0.451	0.495	0.435	0.449	0.462	0.484	0.463	4.9
2-Butanone	0.080	0.081	0.079	0.074	0.080	0.090	0.081	6.4
Carbon Tetrachloride	0.333	0.383	0.362	0.381	0.392	0.435	0.381	8.8
2,2-Dichloropropane	0.482	0.487	0.447	0.433	0.454	0.489	0.465	5.1
cis-1,2-Dichloroethene	0.310	0.347	0.298	0.309	0.320	0.335	0.320	5.6
Bromochloromethane	0.128	0.131	0.127	0.132	0.138	0.145	0.134	5.1
Chloroform	0.551	0.584	0.537	0.543	0.547	0.583	0.558	3.7
1,1,1-Trichloroethane	0.457	0.477	0.449	0.471	0.482	0.505	0.473	4.2
Methylcyclohexane	0.442	0.440	0.402	0.406	0.490	0.519	0.450	10.3
1,1-Dichloropropene	0.413	0.455	0.432	0.430	0.434	0.468	0.438	4.5
Propionitrile	0.025	0.026	0.024	0.025	0.023	0.024	0.025	3.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2552</u>
Instrument ID:	<u>MSVOA_U</u>	Calibration Date(s):	<u>07/16/2025</u> <u>07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:24</u> <u>12:11</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

LAB FILE ID:		RRF0.5 = VU063511.D		RRF001 = VU063512.D		RRF002 = VU063513.D			
		RRF005 = VU063514.D		RRF010 = VU063515.D		RRF015 = VU063516.D			
COMPOUND		RRF0.5	RRF001	RRF002	RRF005	RRF010	RRF015	RRF	% RSD
Benzene		1.218	1.011	1.165	1.205	1.202	1.269	1.178	7.5
1,2-Dichloroethane		0.360	0.332	0.363	0.371	0.376	0.394	0.366	5.7
Trichloroethene		0.314	0.283	0.269	0.271	0.323	0.345	0.301	10.3
1,2-Dichloropropane		0.235	0.261	0.251	0.258	0.315	0.334	0.276	14.4
1-Chlorobutane		0.575	0.575	0.553	0.583	0.591	0.621	0.583	3.9
Dibromomethane		0.132	0.134	0.131	0.138	0.154	0.168	0.143	10.4
Bromodichloromethane		0.304	0.304	0.300	0.310	0.328	0.388	0.322	10.4
4-Methyl-2-Pentanone		0.136	0.147	0.136	0.146	0.152	0.166	0.147	7.8
Toluene		0.582	0.650	0.596	0.642	0.671	0.718	0.643	7.8
t-1,3-Dichloropropene		0.213	0.231	0.223	0.250	0.285	0.313	0.253	15.5
cis-1,3-Dichloropropene		0.284	0.311	0.292	0.334	0.362	0.452	0.339	18.4
1,1,2-Trichloroethane		0.173	0.197	0.180	0.191	0.202	0.211	0.192	7.4
1,3-Dichloropropane		0.310	0.327	0.318	0.330	0.344	0.364	0.332	5.8
2-Hexanone		0.090	0.097	0.087	0.096	0.103	0.114	0.098	10
Dibromochloromethane		0.165	0.184	0.185	0.206	0.232	0.248	0.203	15.5
1,2-Dibromoethane		0.164	0.169	0.161	0.171	0.179	0.189	0.172	5.9
Tetrachloroethene		0.254	0.279	0.266	0.270	0.285	0.295	0.275	5.4
Chlorobenzene		0.680	0.735	0.686	0.732	0.771	0.828	0.739	7.5
1,1,1,2-Tetrachloroethane		0.211	0.236	0.218	0.233	0.254	0.273	0.238	9.6
Hexachloroethane		0.134	0.146	0.143	0.170	0.192	0.213	0.166	18.7
Ethyl Benzene		1.195	1.261	1.191	1.259	1.314	1.408	1.271	6.4
m/p-Xylenes		0.459	0.470	0.464	0.488	0.519	0.564	0.494	8.2
o-Xylene		0.428	0.462	0.432	0.473	0.504	0.550	0.475	9.8
Styrene		0.649	0.715	0.690	0.764	0.823	0.900	0.757	12.2
Bromoform		0.096	0.085	0.092	0.105	0.118	0.131	0.104	16.8
Isopropylbenzene		1.016	1.118	1.057	1.148	1.230	1.318	1.148	9.7
1,1,2,2-Tetrachloroethane		0.222	0.229	0.217	0.230	0.243	0.264	0.234	7.3
1,2,3-Trichloropropane		0.171	0.198	0.182	0.177	0.208	0.204	0.190	8
Bromobenzene		0.284	0.283	0.265	0.293	0.309	0.343	0.296	9.1
n-propylbenzene		0.303	0.327	0.323	0.344	0.375	0.402	0.346	10.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03
 Lab Code: ACE SDG No.: Q2552
 Instrument ID: MSVOA_U Calibration Date(s): 07/16/2025 07/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:24 12:11
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF0.5 = VU063511.D		RRF001 = VU063512.D		RRF002 = VU063513.D			
		RRF005 = VU063514.D		RRF010 = VU063515.D		RRF015 = VU063516.D			
COMPOUND	RRF0.5	RRF001	RRF002	RRF005	RRF010	RRF015	RRF	% RSD	
2-Chlorotoluene	0.278	0.298	0.285	0.301	0.322	0.349	0.305	8.6	
1,3,5-Trimethylbenzene	0.966	1.036	1.013	1.102	1.182	1.280	1.097	10.7	
4-Chlorotoluene	0.269	0.300	0.296	0.311	0.330	0.355	0.310	9.5	
tert-Butylbenzene	0.954	0.987	0.975	1.042	1.123	1.207	1.048	9.4	
1,2,4-Trimethylbenzene	0.953	1.029	1.004	1.096	1.178	1.268	1.088	10.8	
sec-Butylbenzene	1.226	1.376	1.304	1.417	1.516	1.641	1.413	10.5	
p-Isopropyltoluene	1.023	1.104	1.091	1.202	1.275	1.384	1.180	11.3	
1,3-Dichlorobenzene	0.539	0.571	0.543	0.594	0.629	0.681	0.593	9.2	
1,4-Dichlorobenzene	0.512	0.572	0.539	0.590	0.635	0.711	0.593	12.1	
n-Butylbenzene	0.933	1.004	0.985	1.113	1.211	1.319	1.094	13.6	
1,2-Dichlorobenzene	0.504	0.538	0.502	0.552	0.597	0.649	0.557	10.2	
1,2-Dibromo-3-Chloropropane	0.024	0.027	0.031	0.034	0.040	0.044	0.033	23.1	
1,2,4-Trichlorobenzene	0.304	0.313	0.310	0.341	0.385	0.425	0.346	14.1	
Hexachlorobutadiene	0.179	0.185	0.180	0.195	0.211	0.231	0.197	10.5	
Naphthalene		0.533	0.520	0.587	0.679	0.785	0.621	17.9	
1,2,3-Trichlorobenzene	0.269	0.294	0.283	0.321	0.352	0.400	0.320	15.3	
1,2-Dichlorobenzene-d4	0.318	0.364	0.326	0.342	0.359	0.392	0.350	7.7	
4-Bromofluorobenzene	0.373	0.410	0.361	0.361	0.369	0.398	0.379	5.4	
Iodomethane		0.238	0.241	0.306	0.369	0.413	0.314	24.7	
Allyl Chloride	0.346	0.373	0.389	0.359	0.382	0.401	0.375	5.4	
Methacrylonitrile	0.139	0.105	0.107	0.096	0.101	0.106	0.109	13.9	
Methyl methacrylate	0.107	0.107	0.108	0.117	0.127	0.154	0.120	15.3	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
 Method File : 524U071625DW.M
 Title : METHOD 524.2 VOLATILES DRINKING WATER
 Last Update : Thu Jul 17 03:49:40 2025
 Response Via : Initial Calibration

Calibration Files

0.5 =VU063511.D 1 =VU063512.D 2 =VU063513.D 5 =VU063514.D 10 =VU063515.D 15 =VU063516.D

Compound		0.5	1	2	5	10	15	Avg	%RSD

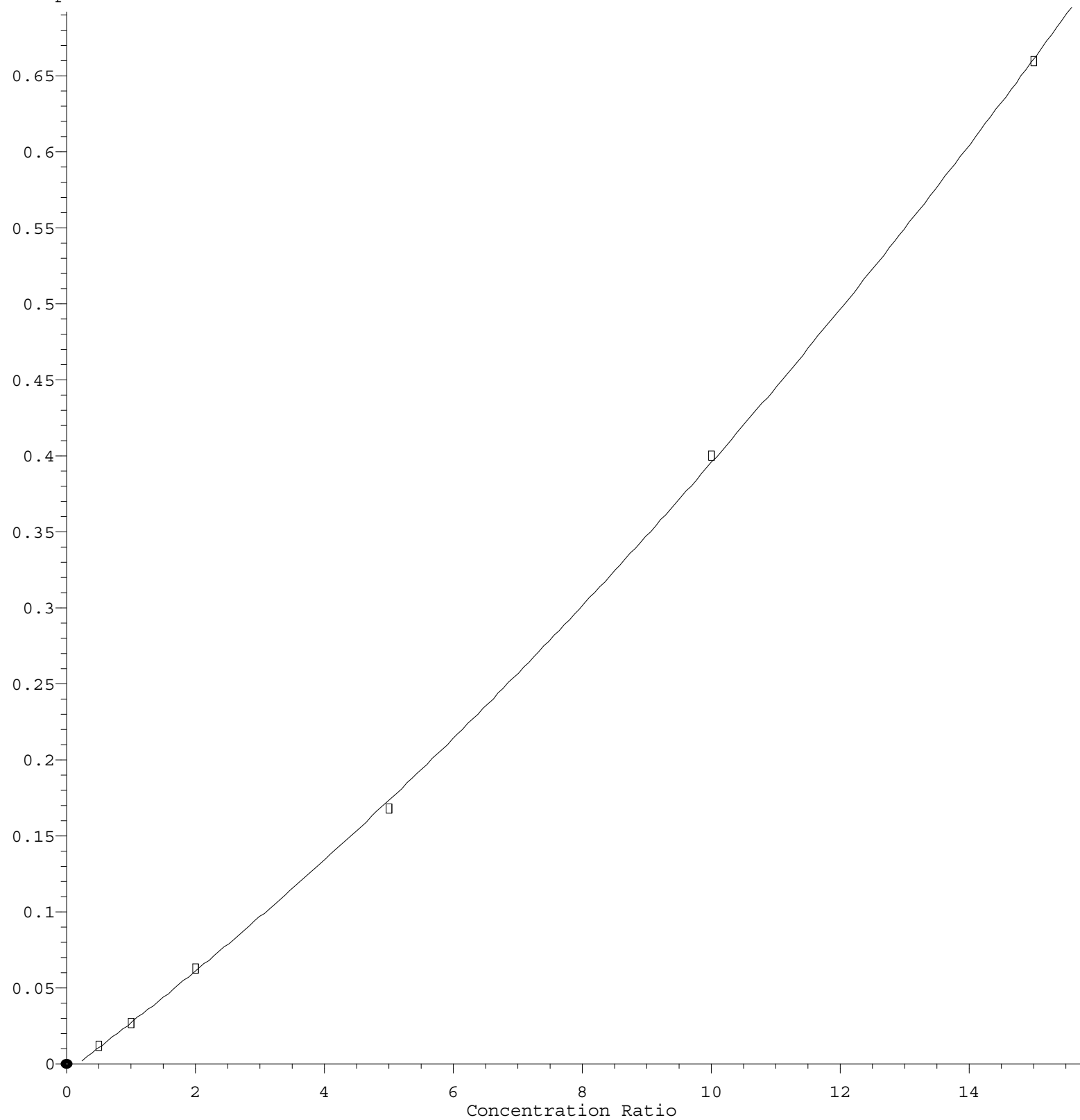
1) i	Fluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.297	0.288	0.281	0.290	0.296	0.317	0.295	4.12
3) t	Chloromethane	0.269	0.291	0.261	0.270	0.268	0.285	0.274	4.08
4) Rt	Vinyl Chloride	0.338	0.353	0.333	0.340	0.355	0.376	0.349	4.46
5) T	Bromomethane	0.275	0.289	0.267	0.252	0.244	0.254	0.263	6.39
6) T	Chloroethane	0.208	0.212	0.199	0.207	0.214	0.226	0.211	4.25
7) T	Trichlorofluor...	0.493	0.508	0.471	0.494	0.509	0.532	0.501	4.10
8)	1,1,2-Trichlor...	0.248	0.267	0.252	0.261	0.266	0.278	0.262	4.11
9) Rt	1,1-Dichloroet...	0.260	0.262	0.241	0.256	0.265	0.274	0.260	4.27
10) t	Iodomethane		0.238	0.241	0.306	0.369	0.413	0.314	24.71
11) t	Allyl Chloride	0.346	0.373	0.389	0.359	0.382	0.401	0.375	5.38
12) t	Acrylonitrile	0.067	0.069	0.064	0.062	0.063	0.063	0.065	4.27
13) T	Acetone	0.055	0.049	0.053	0.045	0.050	0.061	0.052	10.71
14) T	Carbon Disulfide	0.817	0.848	0.786	0.819	0.861	0.900	0.839	4.77
15) RT	Methylene Chlo...	0.327	0.328	0.287	0.290	0.293	0.308	0.306	6.09
16) RT	trans-1,2-Dich...	0.287	0.312	0.278	0.284	0.298	0.310	0.295	4.69
17) t	1,1-Dichloroet...	0.530	0.569	0.520	0.539	0.549	0.572	0.546	3.82
18) T	2-Butanone	0.080	0.081	0.079	0.074	0.080	0.090	0.081	6.36
19)	Cyclohexane	0.451	0.495	0.435	0.449	0.462	0.484	0.463	4.90
20)	Methylcyclohexane	0.442	0.440	0.402	0.406	0.490	0.519	0.450	10.30
21) T	2,2-Dichloropr...	0.482	0.487	0.447	0.433	0.454	0.489	0.465	5.09
22) RT	cis-1,2-Dichlo...	0.310	0.347	0.298	0.309	0.320	0.335	0.320	5.63
23) t	Diethyl Ether	0.172	0.202	0.194	0.199	0.206	0.213	0.198	7.18
24) t	tert-Butyl Alc...		0.025	0.022	0.023	0.024	0.025	0.024	5.81
25) t	Methyl tert-Bu...	0.635	0.700	0.646	0.666	0.693	0.727	0.678	5.16
26) t	Bromochloromet...	0.128	0.131	0.127	0.132	0.137	0.145	0.134	5.06
27) t	Chloroform	0.551	0.584	0.537	0.543	0.547	0.583	0.558	3.73
28) RT	1,1,1-Trichlor...	0.457	0.477	0.449	0.471	0.482	0.505	0.473	4.20
29) T	1,1-Dichloropr...	0.413	0.455	0.432	0.430	0.434	0.468	0.438	4.51
30) RT	Carbon Tetrach...	0.333	0.383	0.362	0.381	0.392	0.435	0.381	8.80
31) t	Isopropyl Ether	0.796	0.855	0.789	0.810	0.831	0.867	0.825	3.86
32)	Ethyl-t-butyl ...	0.739	0.800	0.735	0.725	0.769	0.811	0.763	4.73
33)	Tert-Amyl meth...	0.683	0.601	0.655	0.652	0.666	0.719	0.663	5.88
34) t	Propionitrile	0.025	0.026	0.024	0.025	0.023	0.024	0.025	3.80
35) RT	Benzene	1.218	1.011	1.165	1.205	1.202	1.269	1.178	7.52
36) RT	1,2-Dichloroet...	0.360	0.332	0.363	0.371	0.376	0.394	0.366	5.67
37) RT	Trichloroethene	0.314	0.283	0.269	0.271	0.323	0.345	0.301	10.31
38) Rt	1,2-Dichloropr...	0.235	0.261	0.251	0.258	0.315	0.334	0.276	14.35
39) t	Methacrylonitrile	0.139	0.105	0.107	0.096	0.101	0.106	0.109	13.89
40) t	Methyl acrylate	0.162	0.161	0.140	0.152	0.168	0.174	0.159	7.70
41) t	Tetrahydrofuran	0.079	0.054	0.054	0.050	0.052	0.055	0.057	18.63
42) t	1-Chlorobutane	0.575	0.575	0.553	0.583	0.591	0.621	0.583	3.91
43) T	Dibromomethane	0.132	0.134	0.131	0.138	0.154	0.168	0.143	10.38
44) T	Bromodichlorom...	0.304	0.304	0.300	0.310	0.328	0.388	0.322	10.45
45) T	4-Methyl-2-Pen...	0.136	0.147	0.136	0.146	0.152	0.166	0.147	7.83
46) t	t-1,4-Dichloro...	0.052	0.060	0.050	0.051	0.063	0.056	0.055	9.32
47) t	Methyl methacr...	0.107	0.107	0.108	0.117	0.127	0.154	0.120	15.28
48) t	Ethyl methacry...	0.206	0.200	0.218	0.226	0.252	0.271	0.229	11.94
49) Rt	Toluene	0.582	0.650	0.596	0.642	0.671	0.718	0.643	7.75
50) T	t-1,3-Dichloro...	0.213	0.231	0.223	0.250	0.285	0.313	0.253	15.47
51) T	cis-1,3-Dichlo...	0.284	0.311	0.292	0.334	0.362	0.452	0.339	18.37
52) RT	1,1,2-Trichlor...	0.173	0.197	0.180	0.191	0.202	0.211	0.192	7.42
53) t	1,3-Dichloropr...	0.310	0.327	0.318	0.330	0.344	0.364	0.332	5.82
54) t	2-Hexanone	0.090	0.097	0.087	0.096	0.103	0.114	0.098	9.98
55) t	Dibromochlorom...	0.165	0.184	0.185	0.206	0.232	0.248	0.203	15.53
56) T	1,2-Dibromoethane	0.164	0.169	0.161	0.171	0.179	0.189	0.172	5.92
57) S	4-Bromofluorob...	0.373	0.410	0.361	0.361	0.369	0.398	0.379	5.40

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\										
Method File : 524U071625DW.M										
58)	RT	Tetrachloroethene	0.254	0.279	0.266	0.270	0.285	0.295	0.275	5.39
59)	Rt	Chlorobenzene	0.680	0.735	0.686	0.732	0.771	0.828	0.739	7.52
60)	T	1,1,1,2-Tetrac...	0.211	0.236	0.218	0.233	0.254	0.273	0.238	9.63
61)	t	Pentachloroethane	0.148	0.150	0.148	0.169	0.186	0.207	0.168	14.57
62)	t	Hexachloroethane	0.134	0.146	0.143	0.170	0.192	0.213	0.166	18.74
63)	Rt	Ethyl Benzene	1.195	1.261	1.191	1.259	1.314	1.408	1.271	6.40
64)	RT	m/p-Xylenes	0.459	0.470	0.464	0.488	0.519	0.564	0.494	8.22
65)	RT	o-Xylene	0.428	0.462	0.432	0.473	0.504	0.550	0.475	9.75
66)	RT	Styrene	0.649	0.715	0.690	0.764	0.823	0.900	0.757	12.22
67)	t	Bromoform	0.096	0.085	0.092	0.105	0.118	0.131	0.104	16.81
68)	S	1,2-Dichlorobe...	0.318	0.364	0.326	0.342	0.359	0.392	0.350	7.68
69)	T	Isopropylbenzene	1.016	1.118	1.057	1.148	1.230	1.318	1.148	9.72
70)	T	1,1,2,2-Tetrac...	0.222	0.229	0.217	0.230	0.243	0.264	0.234	7.34
71)	T	1,2,3-Trichlor...	0.171	0.198	0.182	0.177	0.208	0.204	0.190	8.02
72)	t	Bromobenzene	0.284	0.283	0.265	0.293	0.309	0.343	0.296	9.11
73)	t	n-propylbenzene	0.303	0.327	0.323	0.344	0.375	0.402	0.346	10.58
74)	t	2-Chlorotoluene	0.278	0.298	0.285	0.301	0.322	0.349	0.305	8.59
75)	t	1,3,5-Trimethy...	0.966	1.036	1.013	1.102	1.182	1.280	1.097	10.69
76)	t	4-Chlorotoluene	0.269	0.300	0.296	0.311	0.330	0.355	0.310	9.49
77)	t	tert-Butylbenzene	0.954	0.987	0.975	1.042	1.123	1.207	1.048	9.44
78)	t	1,2,4-Trimethy...	0.953	1.029	1.004	1.096	1.178	1.268	1.088	10.83
79)	t	sec-Butylbenzene	1.226	1.376	1.304	1.417	1.516	1.641	1.413	10.53
80)		Nitrobenzene	0.002	0.004	0.003	0.004	0.005	0.006	0.004	34.42
81)	t	p-Isopropyltol...	1.023	1.104	1.091	1.202	1.275	1.384	1.180	11.33
82)	t	1,3-Dichlorobe...	0.539	0.571	0.543	0.594	0.629	0.681	0.593	9.16
83)	Rt	1,4-Dichlorobe...	0.512	0.572	0.539	0.590	0.635	0.711	0.593	12.06
84)	t	n-Butylbenzene	0.933	1.004	0.985	1.113	1.210	1.319	1.094	13.57
85)	Rt	1,2-Dichlorobe...	0.504	0.538	0.502	0.552	0.597	0.649	0.557	10.23
86)	t	1,2-Dibromo-3-...	0.024	0.027	0.031	0.034	0.040	0.044	0.033	23.11
87)	Rt	1,2,4-Trichlor...	0.304	0.313	0.310	0.341	0.385	0.425	0.346	14.06
88)	t	Hexachlorobuta...	0.179	0.185	0.180	0.195	0.211	0.231	0.197	10.50
89)	t	Naphthalene		0.533	0.520	0.587	0.679	0.785	0.621	17.89
90)	t	1,2,3-Trichlor...	0.269	0.294	0.283	0.321	0.352	0.400	0.320	15.31

(#) = Out of Range

1,2-Dibromo-3-Chloropropane

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

R = 8.705e-004 A*A + 3.135e-002 A - 5.068e-003

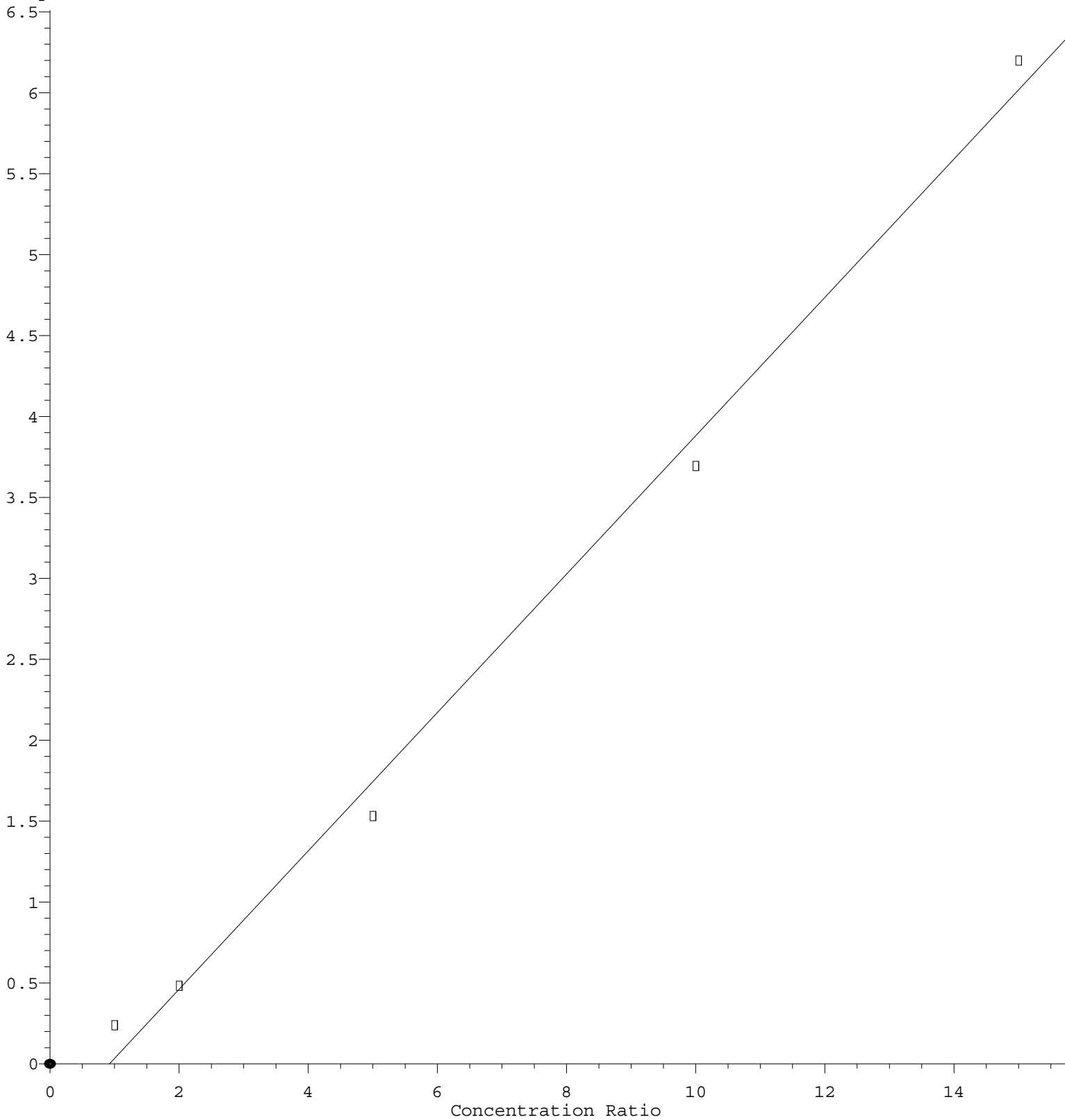
Coef of Det (r^2) = 0.999831 Curve Fit: Quadratic

Method: MSVOA U\Method\524U071625DW.M

Calibration Table Last Updated: Thu Jul 17 03:49:40 2025

Iodomethane

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063511.D
 Acq On : 16 Jul 2025 09:24
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 17 03:21:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	25423	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9489	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8092	0.909	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3779	0.504	ug/l	95
3) Chloromethane	1.518	50	3425	0.492	ug/l	97
4) Vinyl Chloride	1.599	62	4301	0.485	ug/l	98
5) Bromomethane	1.850	94	3492	0.522	ug/l	92
6) Chloroethane	1.927	64	2643	0.493	ug/l	94
7) Trichlorofluoromethane	2.129	101	6269	0.492	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	3157	0.474	ug/l	97
9) 1,1-Dichloroethene	2.570	96	3303	0.500	ug/l	91
11) Allyl Chloride	2.911	41	4399	0.461	ug/l	97
12) Acrylonitrile	3.309	53	1715m	1.038	ug/l	
13) Acetone	2.618	43	3474	2.627	ug/l	98
14) Carbon Disulfide	2.782	76	10386	0.487	ug/l	99
15) Methylene Chloride	3.030	84	4161	0.535	ug/l	97
16) trans-1,2-Dichloroethene	3.338	96	3653	0.487	ug/l	92
17) 1,1-Dichloroethane	3.853	63	6739	0.485	ug/l	99
18) 2-Butanone	4.711	43	5053	2.467	ug/l	99
19) Cyclohexane	5.364	56	5734	0.487	ug/l	94
20) Methylcyclohexane	6.740	83	5613	0.491	ug/l	97
21) 2,2-Dichloropropane	4.644	77	6127	0.518	ug/l	97
22) cis-1,2-Dichloroethene	4.647	96	3941	0.484	ug/l	95
23) Diethyl Ether	2.370	59	2188	0.435	ug/l #	82
25) Methyl tert-Butyl Ether	3.361	73	8075	0.469	ug/l #	91
26) Bromochloromethane	4.956	128	1623	0.478	ug/l	93
27) Chloroform	5.075	83	7007	0.494	ug/l	98
28) 1,1,1-Trichloroethane	5.296	97	5809	0.483	ug/l	99
29) 1,1-Dichloropropene	5.505	75	5244	0.470	ug/l #	91
30) Carbon Tetrachloride	5.505	117	4239	0.438	ug/l	95
31) Isopropyl Ether	3.994	45	10123	0.483	ug/l	100
32) Ethyl-t-butyl ether	4.502	59	9396	0.484	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	8680	0.515	ug/l	97
34) Propionitrile	4.779	54	1601m	2.565	ug/l	
35) Benzene	5.759	78	15477	0.517	ug/l	96
36) 1,2-Dichloroethane	5.782	62	4577	0.492	ug/l	99
37) Trichloroethene	6.528	130	3989	0.522	ug/l	95
38) 1,2-Dichloropropane	6.782	63	2987	0.426	ug/l	91
39) Methacrylonitrile	4.981	41	1767m	0.645	ug/l	
40) Methyl acrylate	4.846	55	2059	0.508	ug/l #	88
41) Tetrahydrofuran	5.062	42	2008	1.376	ug/l #	77
42) 1-Chlorobutane	5.441	56	7303	0.493	ug/l	93
43) Dibromomethane	6.907	93	1679	0.462	ug/l	94
44) Bromodichloromethane	7.097	83	3861	0.471	ug/l	95
45) 4-Methyl-2-Pentanone	7.801	43	8613	2.301	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	1314m	0.990	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063511.D
 Acq On : 16 Jul 2025 09:24
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:21:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.968	69	2712	0.889	ug/l	89
48) Ethyl methacrylate	8.341	69	2622	0.451	ug/l	82
49) Toluene	7.965	92	7397	0.452	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	2708	0.421	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	3613	0.419	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	2194	0.449	ug/l	94
53) 1,3-Dichloropropane	8.570	76	3944	0.467	ug/l	96
54) 2-Hexanone	8.698	43	5691	2.289	ug/l	98
55) Dibromochloromethane	8.804	129	2097	0.406	ug/l	97
56) 1,2-Dibromoethane	8.920	107	2089	0.477	ug/l	92
58) Tetrachloroethene	8.544	164	3225	0.461	ug/l	95
59) Chlorobenzene	9.441	112	8639	0.460	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	2686	0.445	ug/l	99
61) Pentachloroethane	11.418	117	1880	0.441	ug/l	98
62) Hexachloroethane	12.467	117	1703	0.403	ug/l	99
63) Ethyl Benzene	9.566	91	15188	0.470	ug/l	95
64) m/p-Xylenes	9.689	106	11672	0.929	ug/l	91
65) o-Xylene	10.094	106	5435	0.450	ug/l	100
66) Styrene	10.113	104	8244	0.429	ug/l	100
67) Bromoform	10.283	173	1214	0.458	ug/l #	90
69) Isopropylbenzene	10.476	105	12913	0.442	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.775	83	2820	0.474	ug/l #	87
71) 1,2,3-Trichloropropane	10.817	75	2178m	0.449	ug/l	
72) Bromobenzene	10.778	156	3609	0.479	ug/l	93
73) n-propylbenzene	10.901	120	3852	0.438	ug/l	93
74) 2-Chlorotoluene	10.981	126	3528	0.454	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	12281	0.441	ug/l	99
76) 4-Chlorotoluene	11.097	126	3423	0.434	ug/l	99
77) tert-Butylbenzene	11.412	119	12124	0.455	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	12110	0.438	ug/l	99
79) sec-Butylbenzene	11.637	105	15578	0.434	ug/l	98
80) Nitrobenzene	13.229	77	131	2.628	ug/l #	44
81) p-Isopropyltoluene	11.785	119	13001	0.433	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	6856	0.455	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	6510	0.432	ug/l	95
84) n-Butylbenzene	12.206	91	11864	0.427	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	6401	0.452	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.991	75	302	0.533	ug/l	88
87) 1,2,4-Trichlorobenzene	13.843	180	3867	0.439	ug/l	98
88) Hexachlorobutadiene	14.013	225	2280	0.456	ug/l	92
90) 1,2,3-Trichlorobenzene	14.331	180	3421	0.420	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

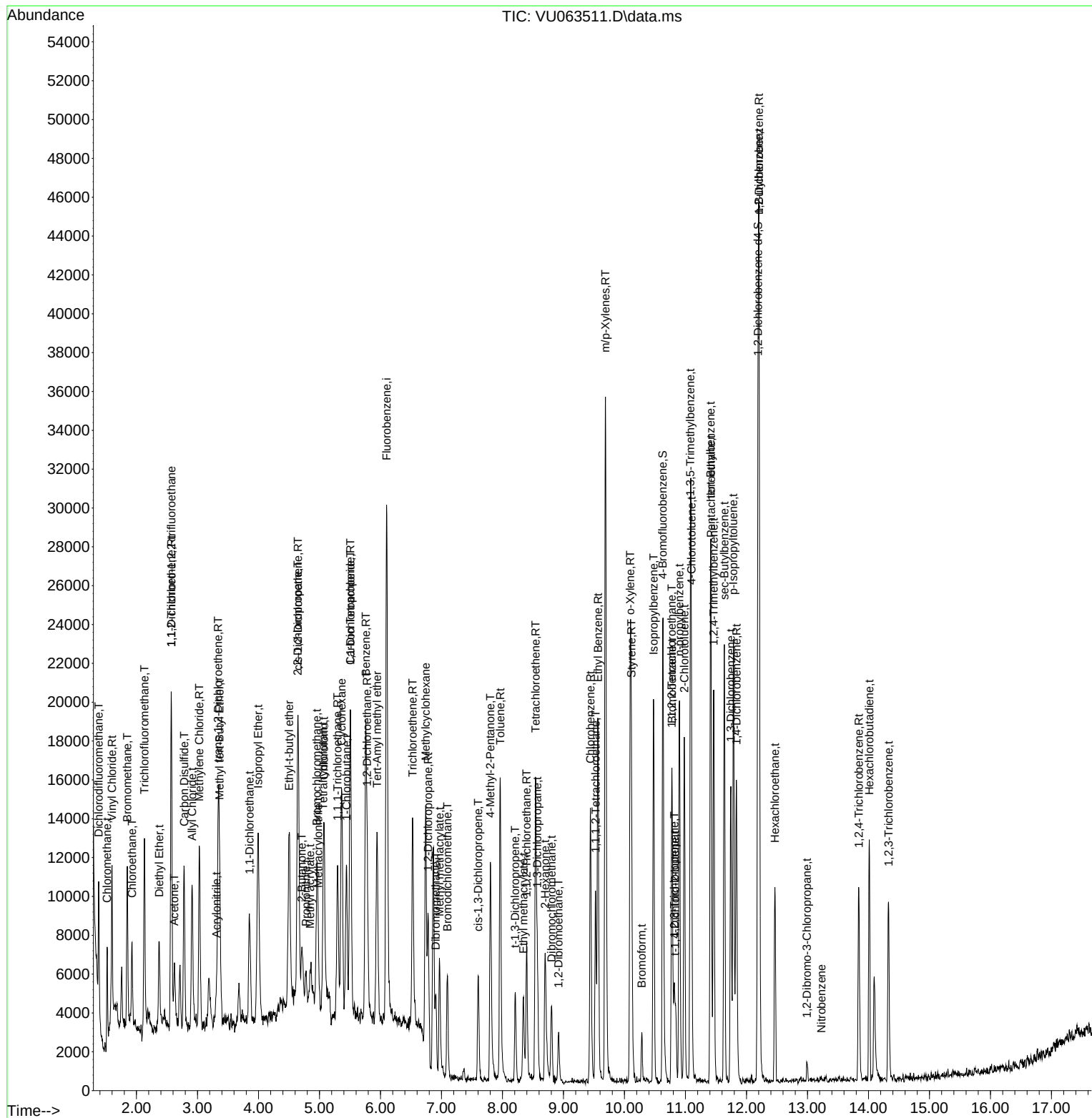
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 Acq On : 16 Jul 2025 09:24
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

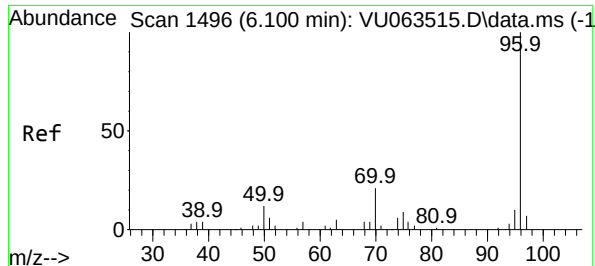
Instrument :
 MSVOA_U
 ClientSampleId :
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Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 07/17/2025
 Supervised By : Semsettin Yesilyurt 07/17/2025

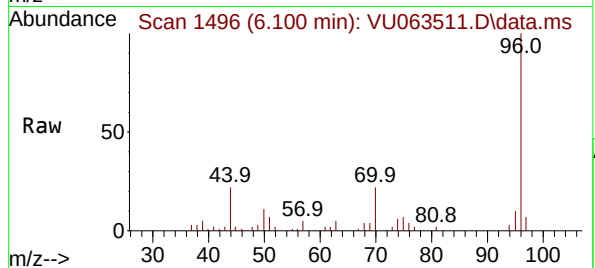
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

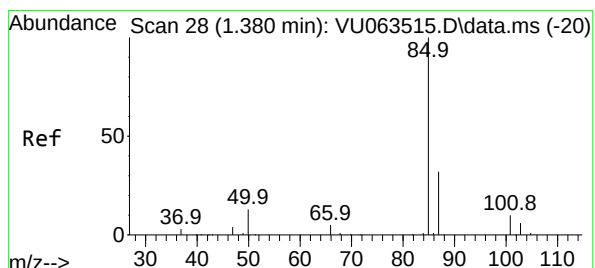
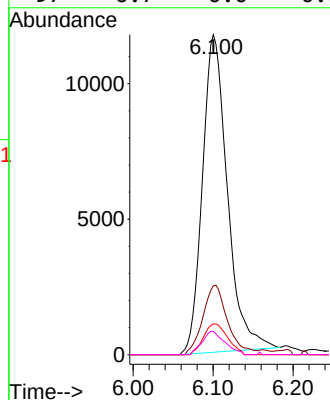
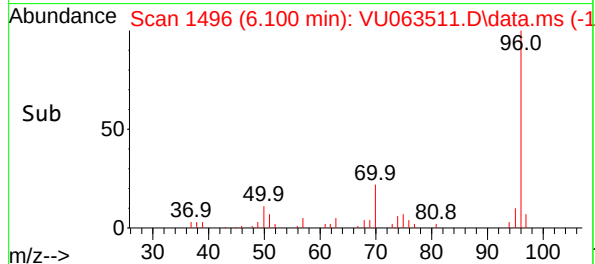
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 96 Resp: 2542
Ion Ratio Lower Upper
96 100
70 20.1 15.0 22.4
95 9.4 7.4 11.0
97 6.7 0.0 0.0#

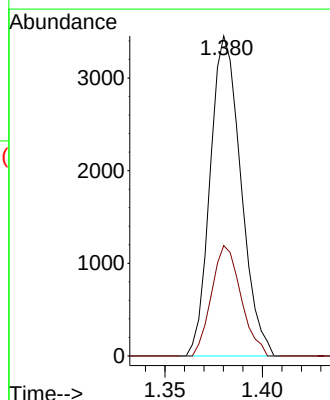
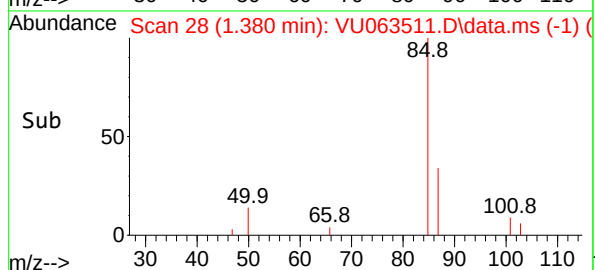
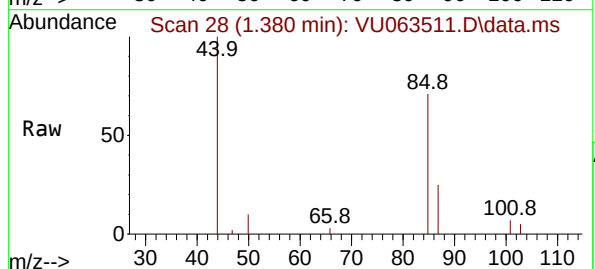
Manual Integrations
APPROVED

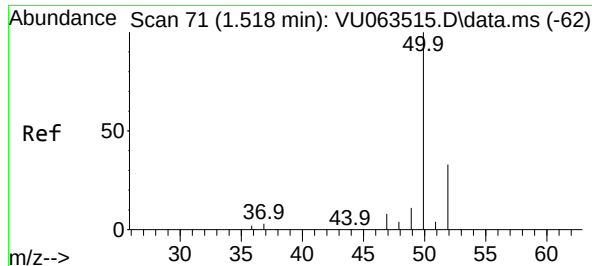
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 0.504 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 85 Resp: 3779
Ion Ratio Lower Upper
85 100
87 34.5 16.0 47.9





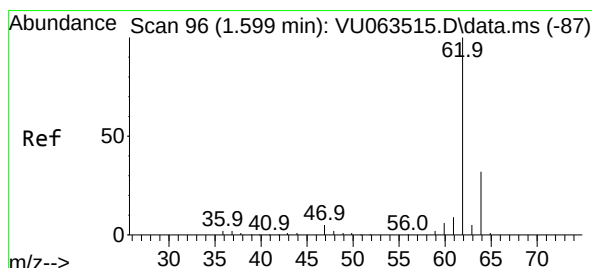
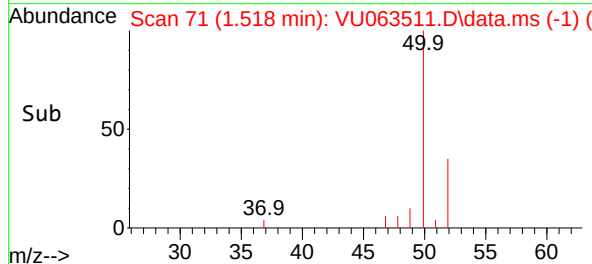
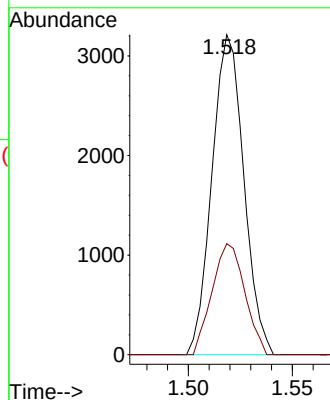
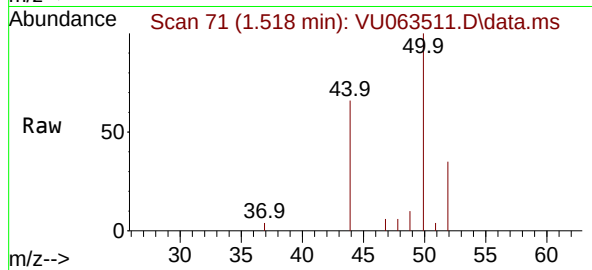
#3
Chloromethane
Concen: 0.492 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 50 Resp: 342
Ion Ratio Lower Upper
50 100
52 34.7 26.3 39.5

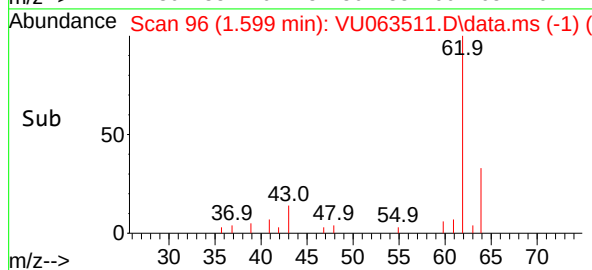
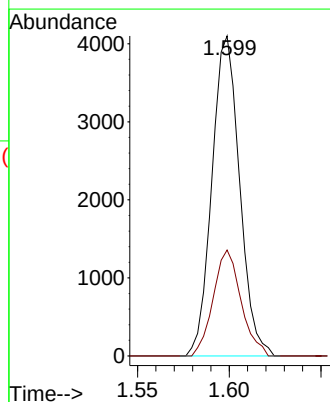
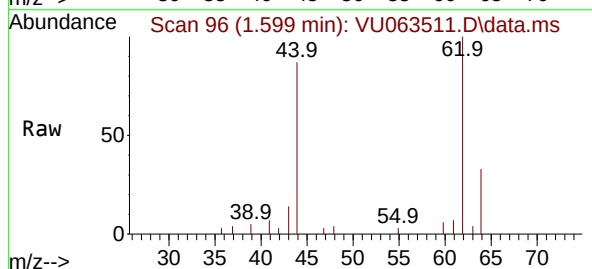
Manual Integrations
APPROVED

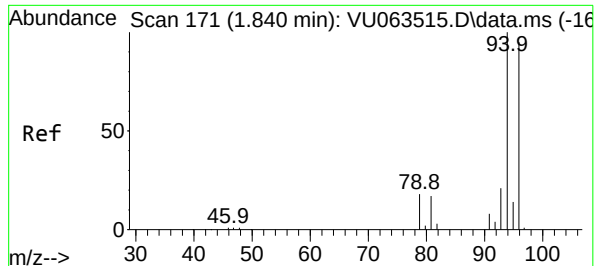
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 0.485 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 62 Resp: 4301
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





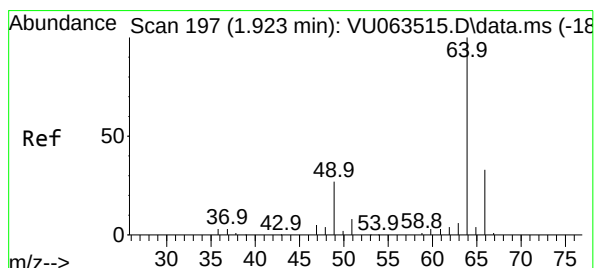
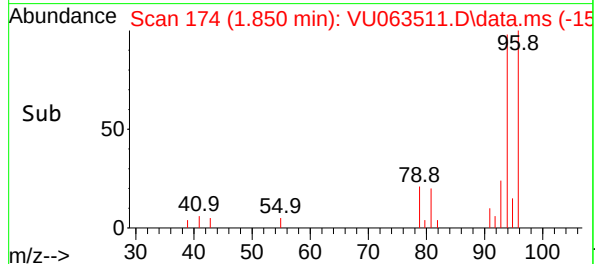
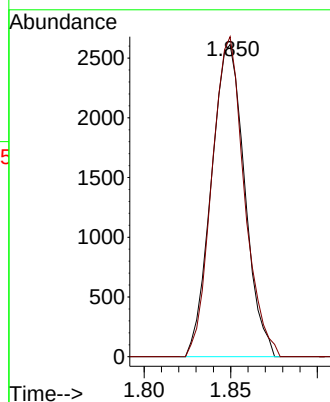
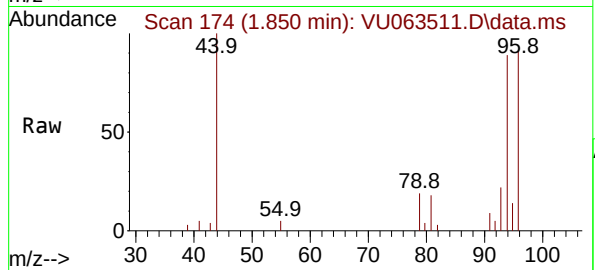
#5
Bromomethane
Concen: 0.522 ug/l
RT: 1.850 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 102.5 75.8 113.6

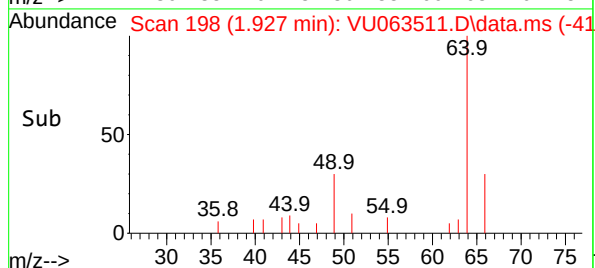
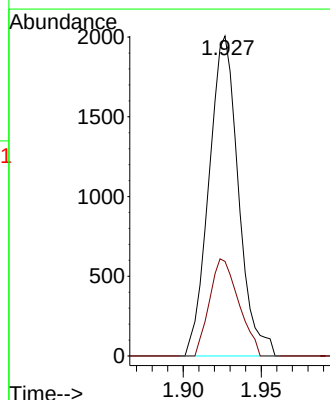
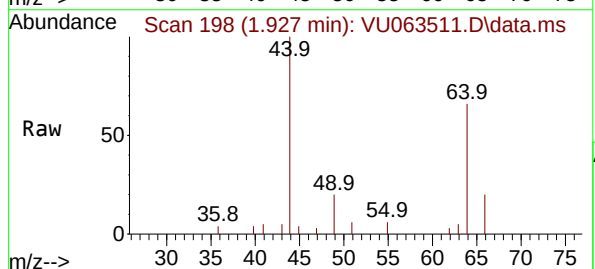
Manual Integrations
APPROVED

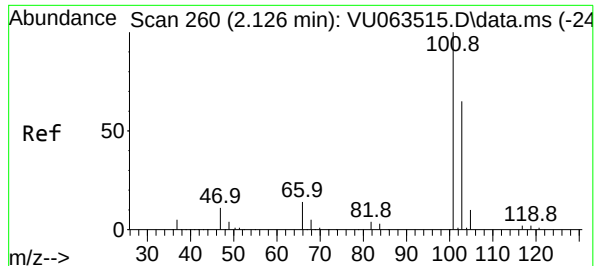
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#6
Chloroethane
Concen: 0.493 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 64 Resp: 2643
Ion Ratio Lower Upper
64 100
66 29.5 26.2 39.4





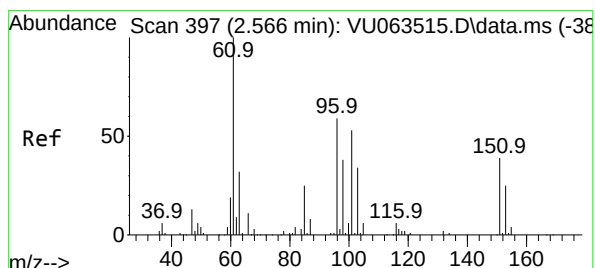
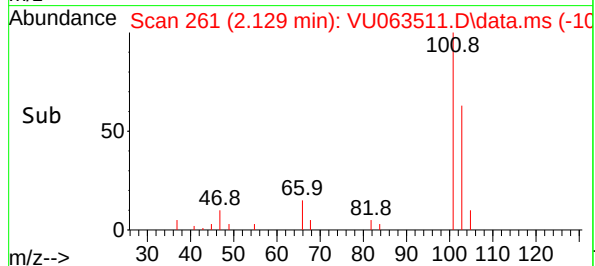
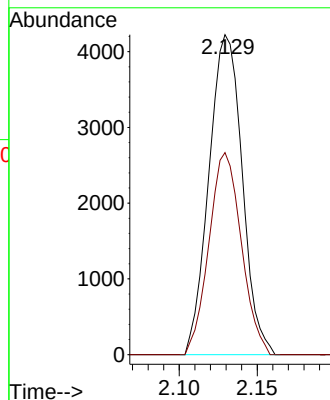
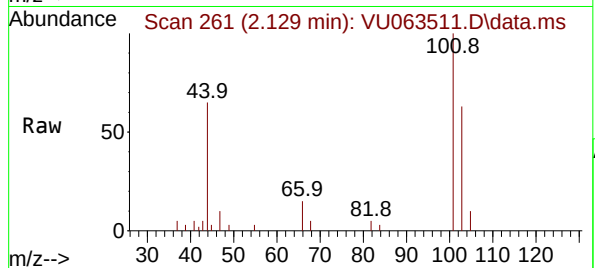
#7
Trichlorofluoromethane
Concen: 0.492 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 6269
Ion Ratio Lower Upper
101 100
103 63.2 52.2 78.4

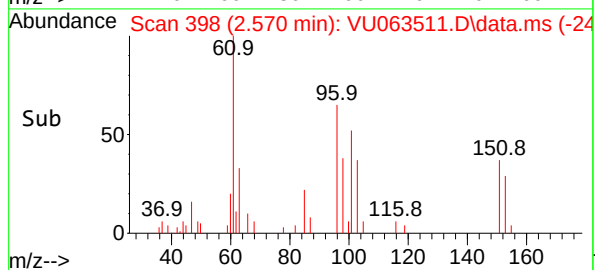
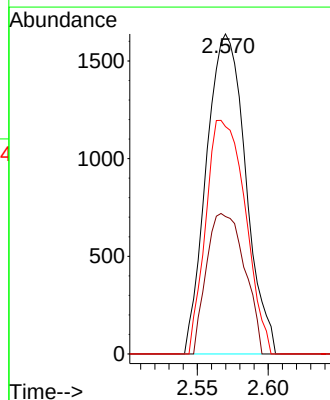
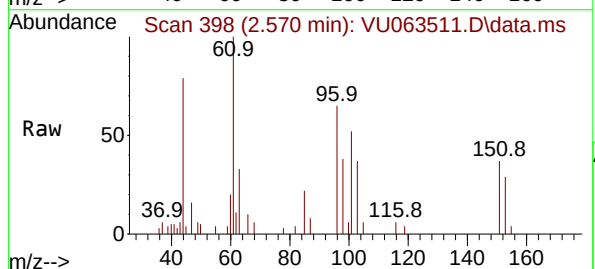
Manual Integrations
APPROVED

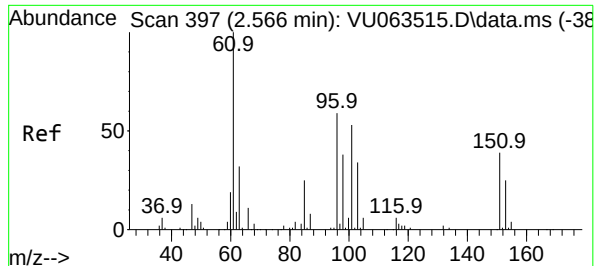
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.474 ug/l
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion:101 Resp: 3157
Ion Ratio Lower Upper
101 100
85 42.5 37.8 56.6
151 73.3 59.2 88.8





#9

1,1-Dichloroethene

Concen: 0.500 ug/l

RT: 2.570 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

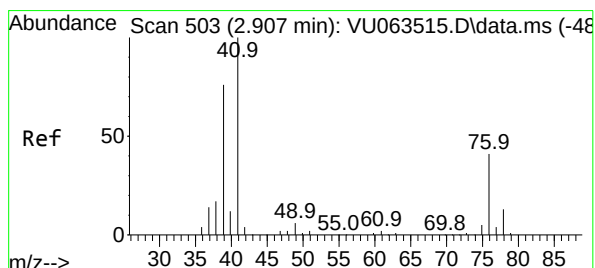
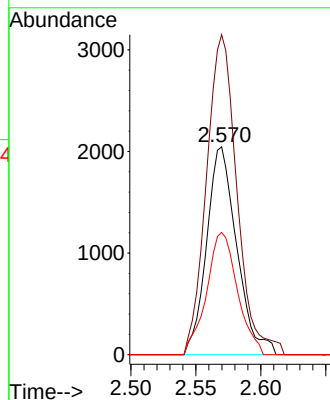
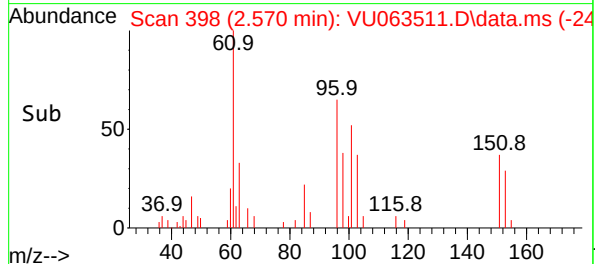
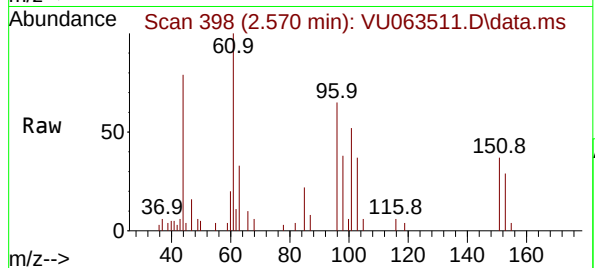
Tgt Ion: 96	Resp: 330
Ion Ratio	Lower Upper
96 100	
61 154.0	0.0 504.3
98 58.8	0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#11

Allyl Chloride

Concen: 0.461 ug/l

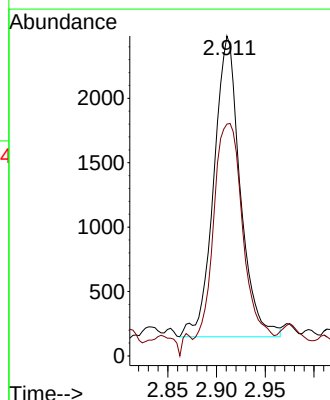
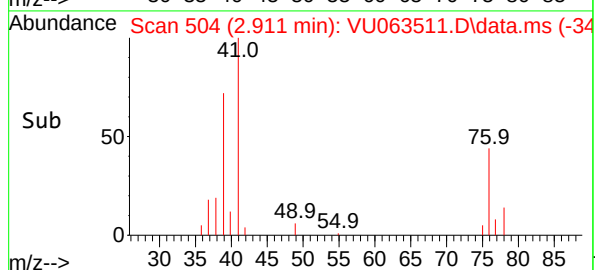
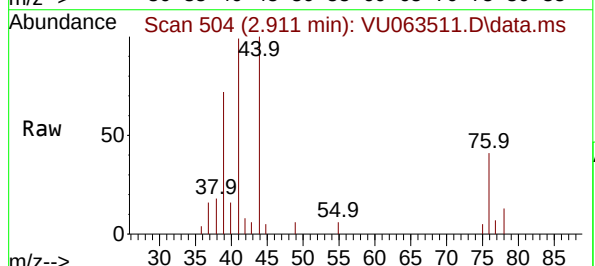
RT: 2.911 min Scan# 504

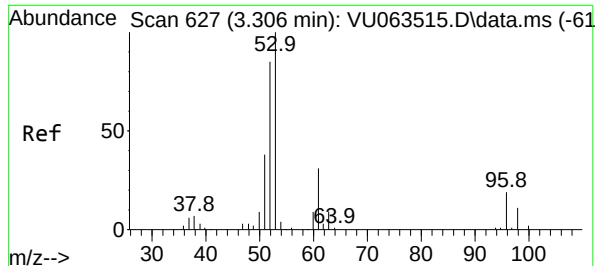
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion: 41	Resp: 4399
Ion Ratio	Lower Upper
41 100	
39 79.3	61.5 92.3





#12

Acrylonitrile

Concen: 1.038 ug/l m

RT: 3.309 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

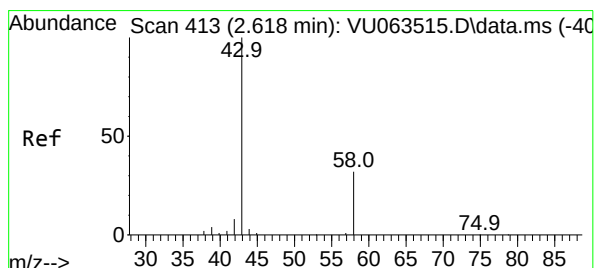
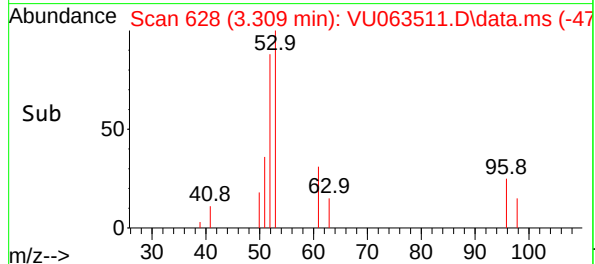
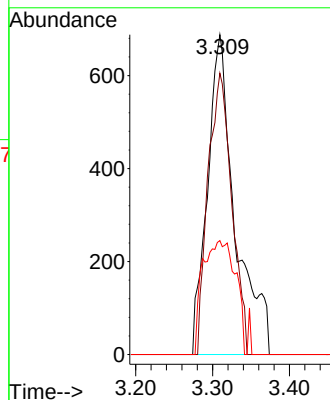
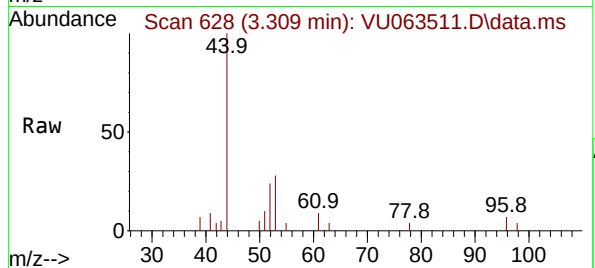
Tgt Ion:	53	Resp:	171
Ion	Ratio	Lower	Upper
53	100		
52	75.6	64.3	96.5
51	42.2	27.8	41.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#13

Acetone

Concen: 2.627 ug/l

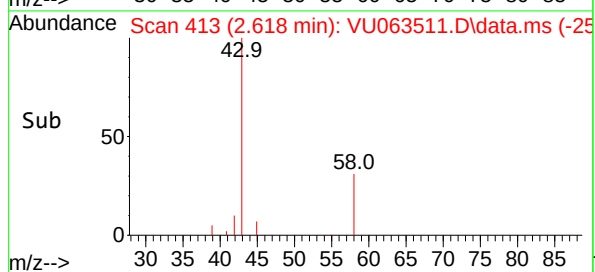
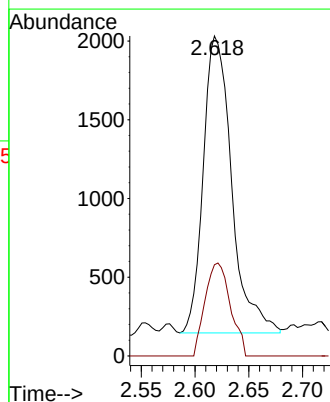
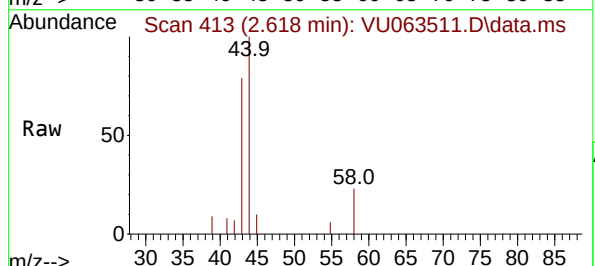
RT: 2.618 min Scan# 413

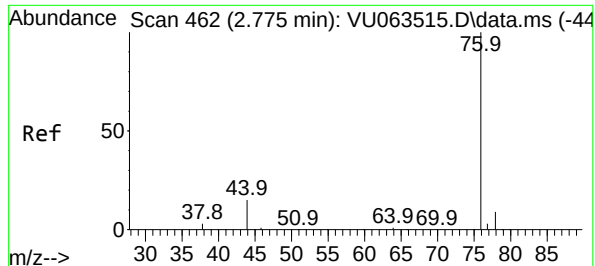
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	43	Resp:	3474
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.4	38.0





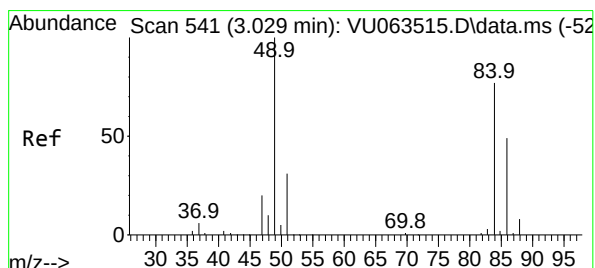
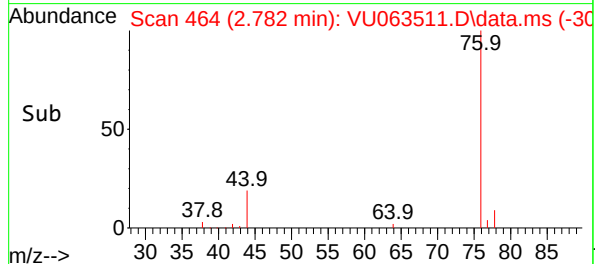
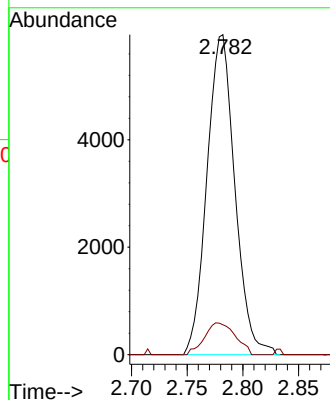
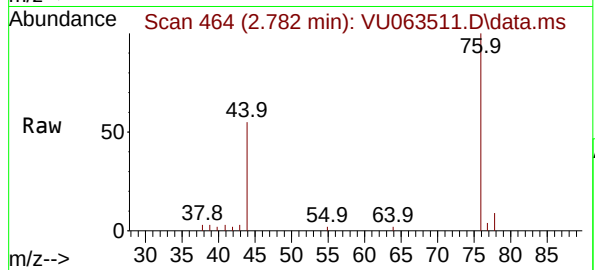
#14
Carbon Disulfide
Concen: 0.487 ug/l
RT: 2.782 min Scan# 464
Delta R.T. 0.007 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 76 Resp: 10380
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

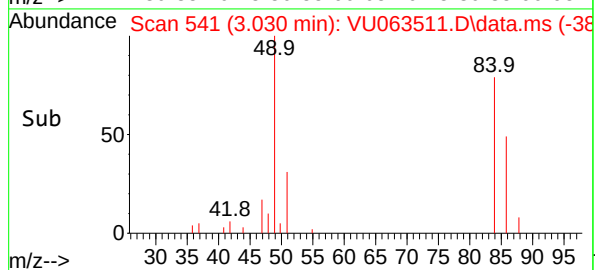
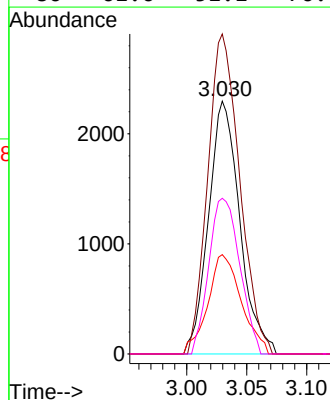
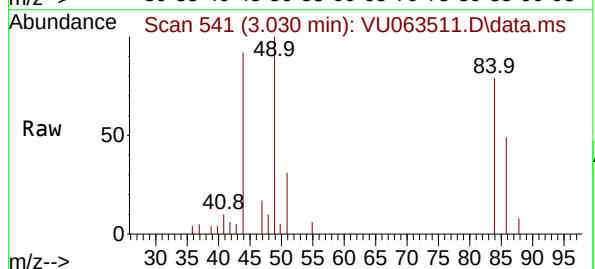
Manual Integrations
APPROVED

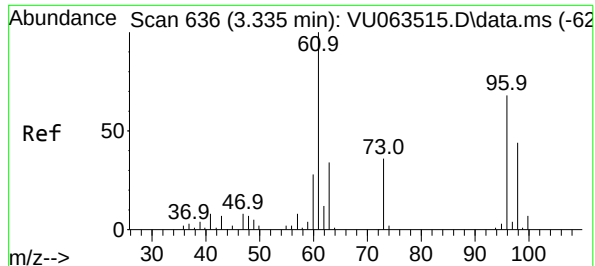
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#15
Methylene Chloride
Concen: 0.535 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

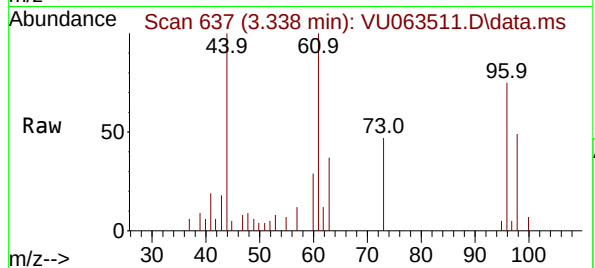
Tgt Ion: 84 Resp: 4161
Ion Ratio Lower Upper
84 100
49 126.6 103.8 155.8
51 39.3 0.0 80.4
86 61.6 51.1 76.7





#16
trans-1,2-Dichloroethene
Concen: 0.487 ug/l
RT: 3.338 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

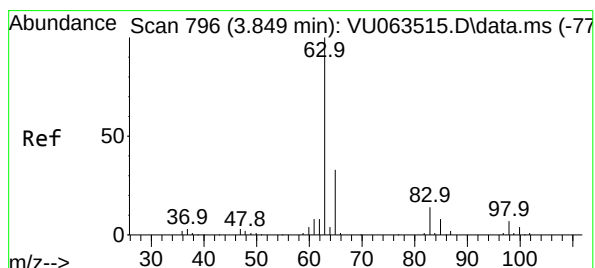
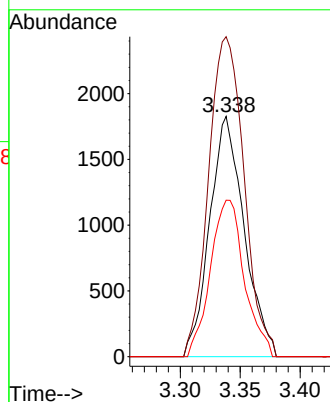
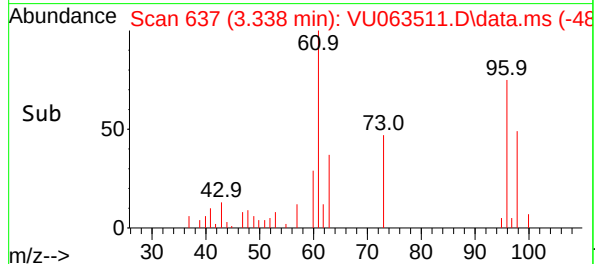
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 96 Resp: 365
Ion Ratio Lower Upper
96 100
61 133.2 117.2 175.8
98 65.1 51.4 77.2

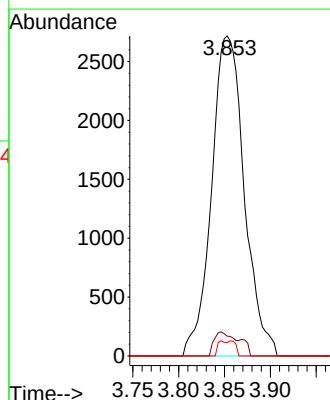
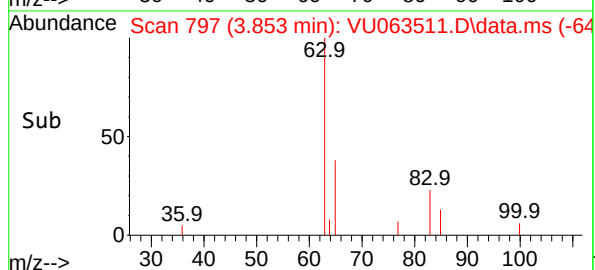
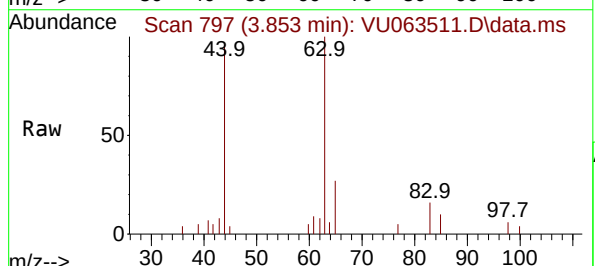
Manual Integrations
APPROVED

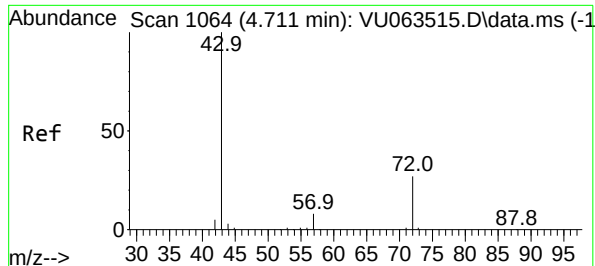
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#17
1,1-Dichloroethane
Concen: 0.485 ug/l
RT: 3.853 min Scan# 797
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 63 Resp: 6739
Ion Ratio Lower Upper
63 100
98 6.2 3.4 10.2
100 4.2 2.1 6.2





#18

2-Butanone

Concen: 2.467 ug/l

RT: 4.711 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

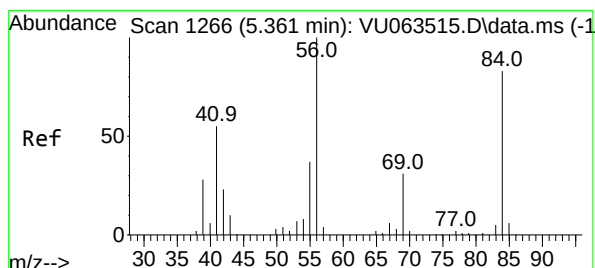
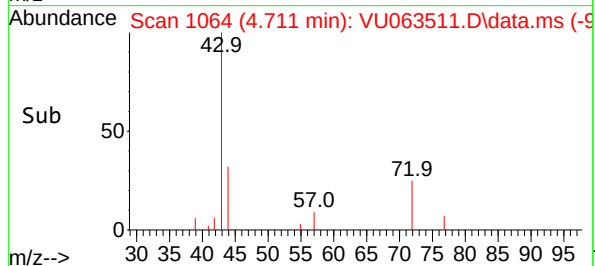
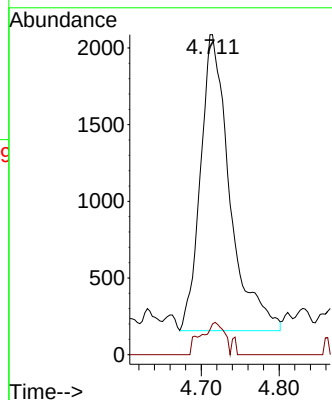
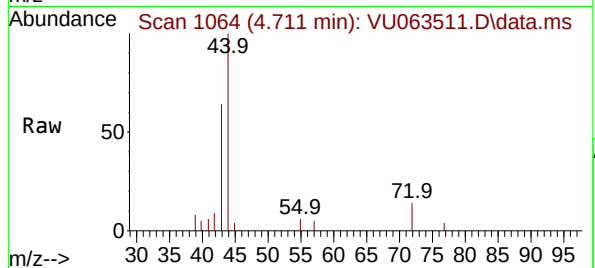
57 8.4 0.0 16.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#19

Cyclohexane

Concen: 0.487 ug/l

RT: 5.364 min Scan# 1267

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

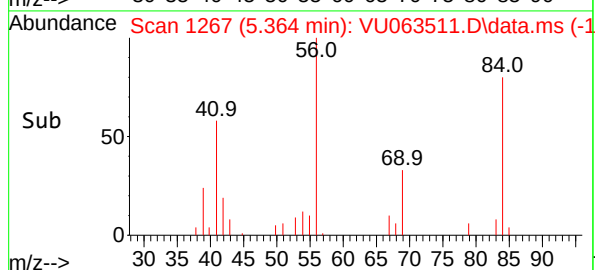
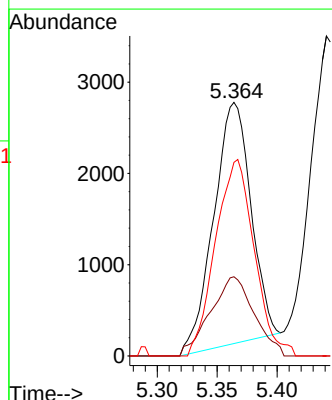
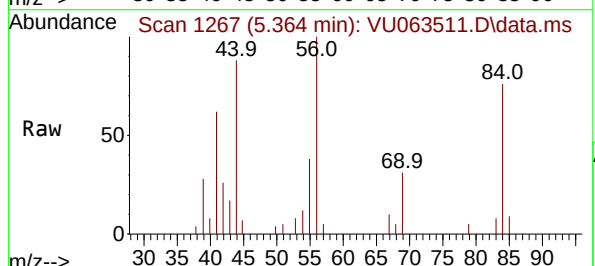
Tgt Ion: 56 Resp: 5734

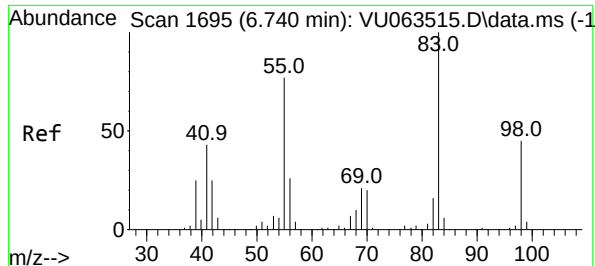
Ion Ratio Lower Upper

56 100

69 38.3 26.6 39.8

84 84.7 71.0 106.4





#20

Methylcyclohexane

Concen: 0.491 ug/l

RT: 6.740 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

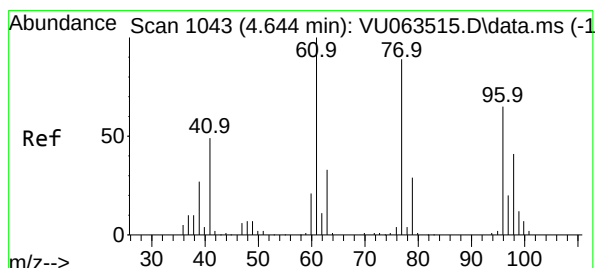
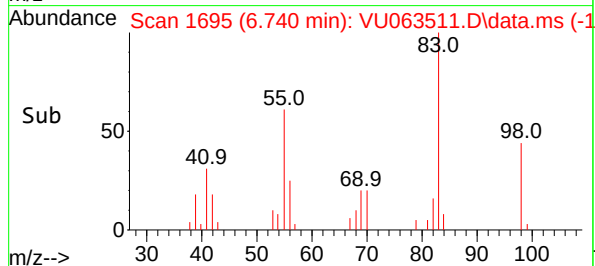
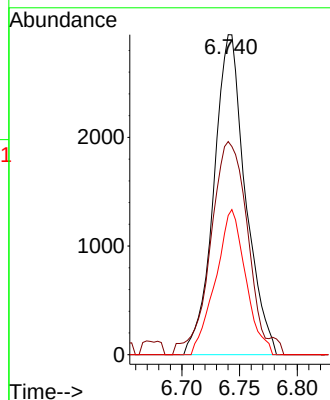
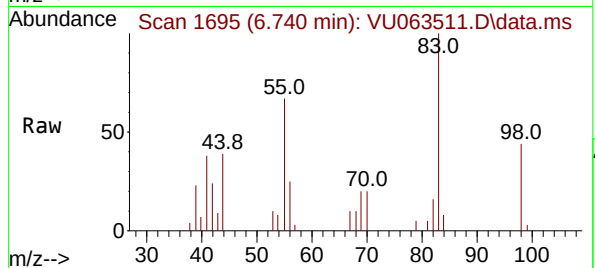
VSTDIC0.5

Tgt Ion:	83	Resp:	561
Ion	Ratio	Lower	Upper
83	100		
55	78.2	60.6	90.8
98	43.3	35.8	53.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#21

2,2-Dichloropropane

Concen: 0.518 ug/l

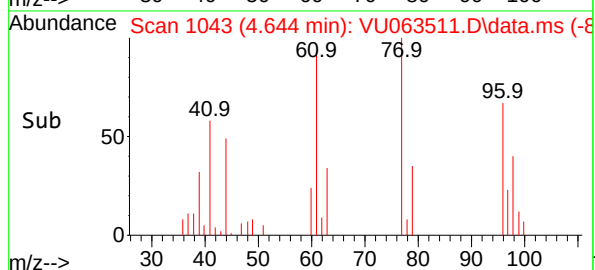
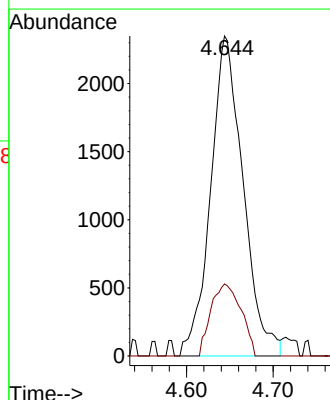
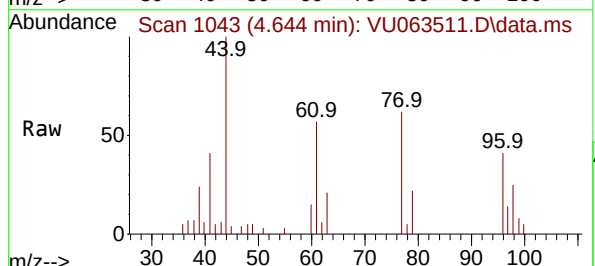
RT: 4.644 min Scan# 1043

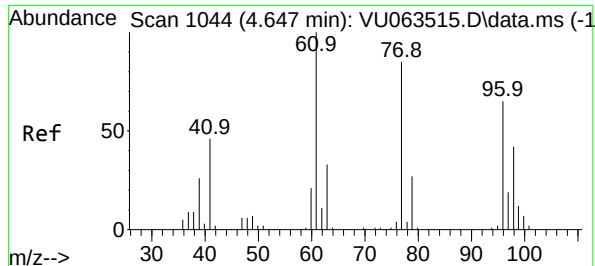
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	77	Resp:	6127
Ion	Ratio	Lower	Upper
77	100		
97	20.9	17.8	26.8





#22

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 394

Ion Ratio Lower Upper

96 100

61 147.0 0.0 384.7

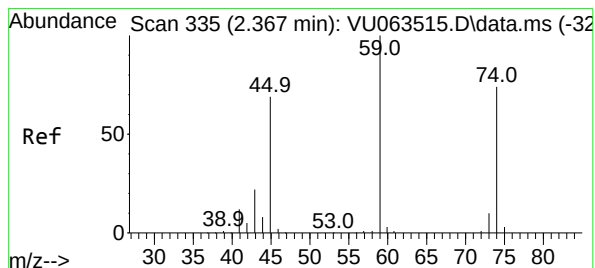
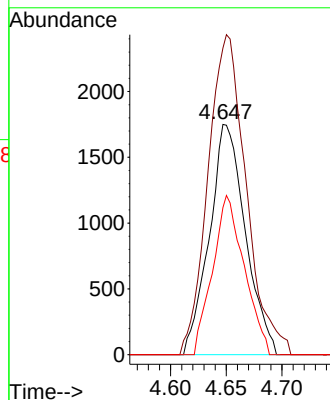
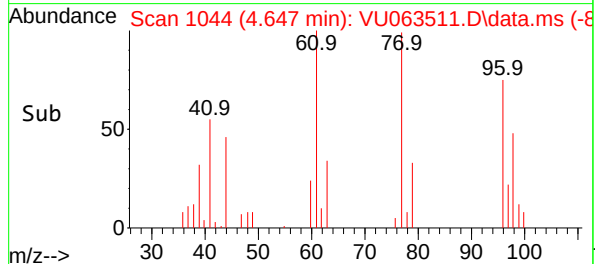
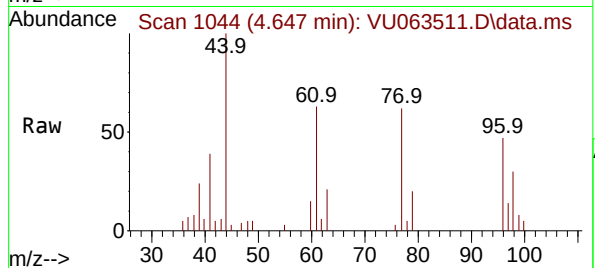
98 60.6 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#23

Diethyl Ether

Concen: 0.435 ug/l

RT: 2.370 min Scan# 336

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

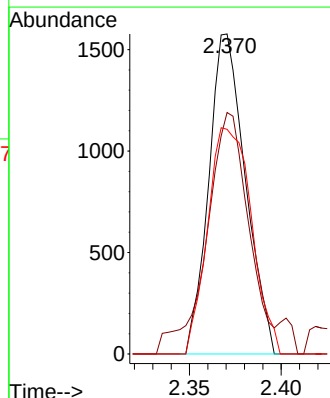
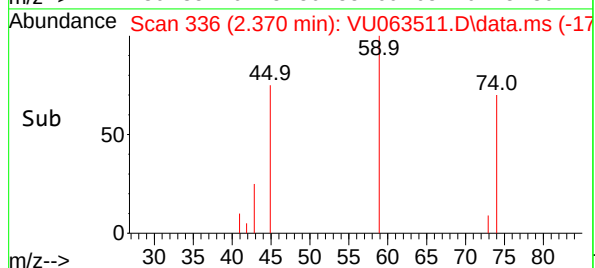
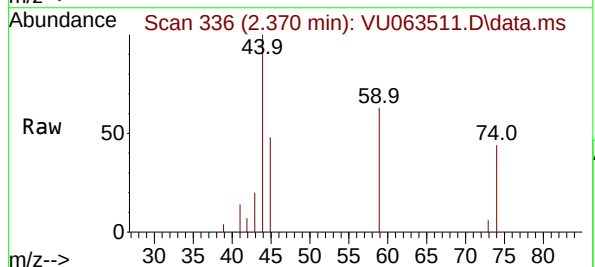
Tgt Ion: 59 Resp: 2188

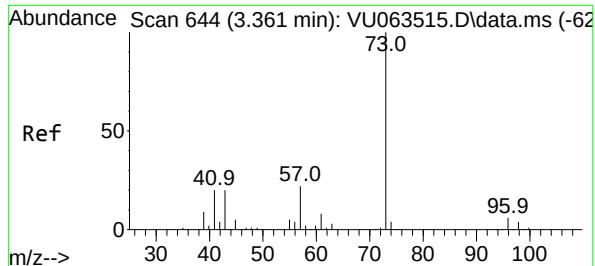
Ion Ratio Lower Upper

59 100

45 86.5 55.1 82.7#

74 84.3 58.2 87.4





#25

Methyl tert-Butyl Ether

Concen: 0.469 ug/l

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 73 Resp: 807

Ion Ratio Lower Upper

73 100

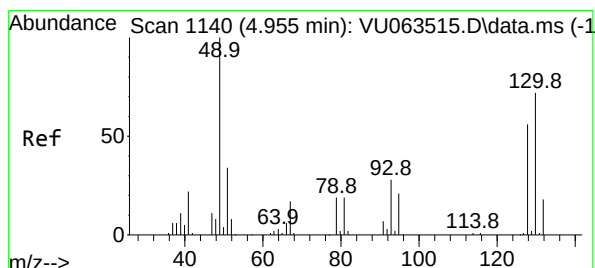
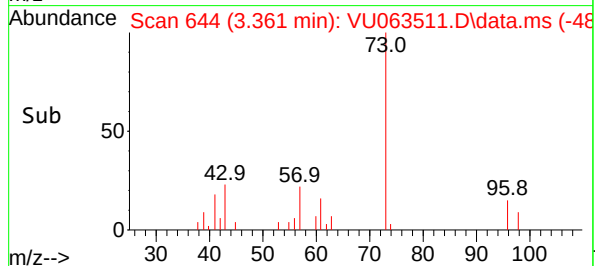
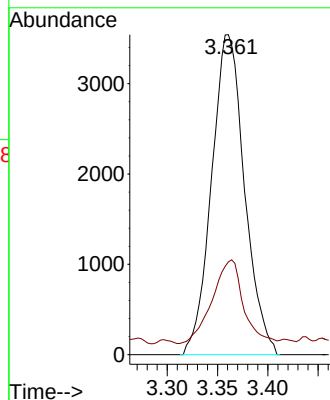
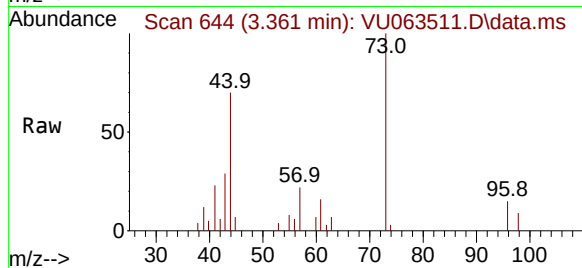
43 24.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 0.478 ug/l

RT: 4.956 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

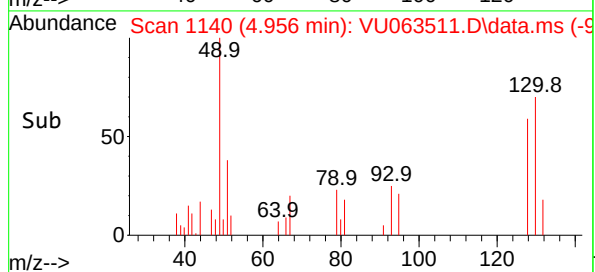
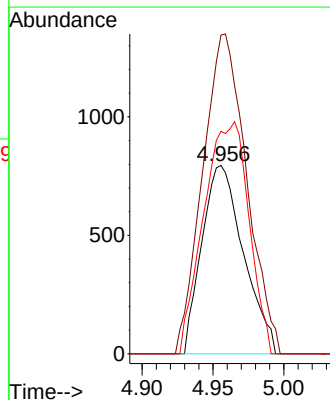
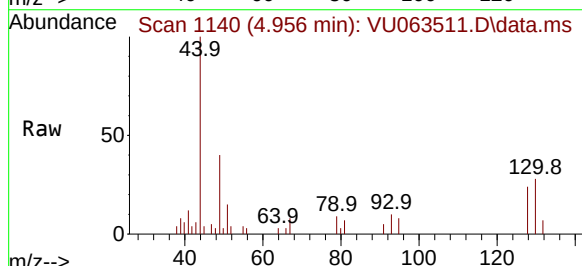
Tgt Ion:128 Resp: 1623

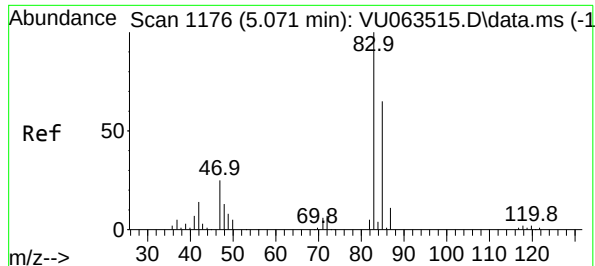
Ion Ratio Lower Upper

128 100

49 179.4 0.0 340.8

130 133.5 100.5 150.7





#27

Chloroform

Concen: 0.494 ug/l

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 700

Ion Ratio Lower Upper

83 100

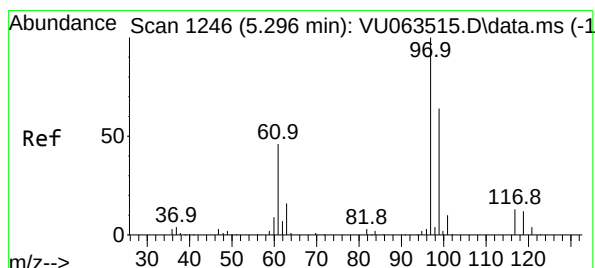
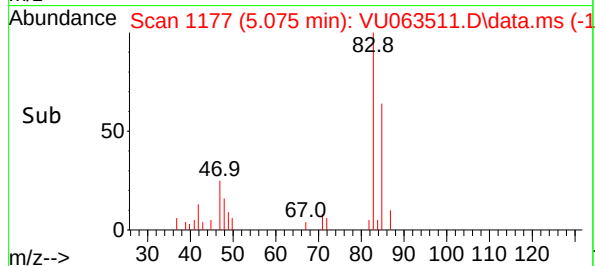
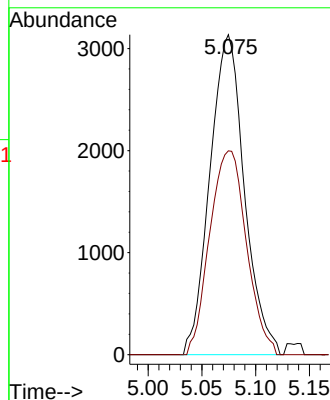
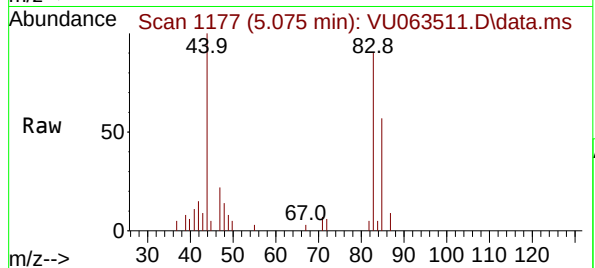
85 63.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 0.483 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

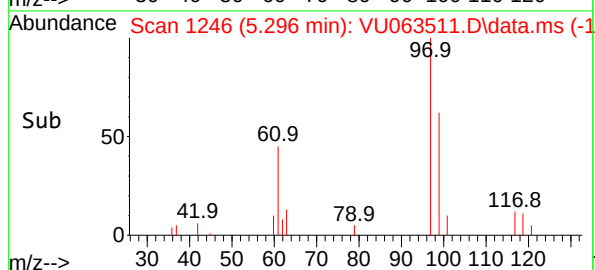
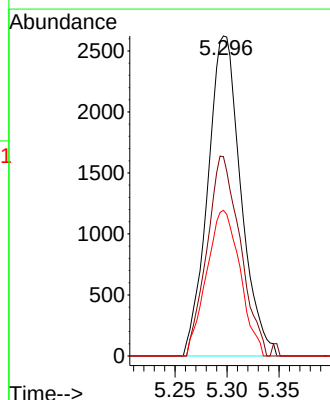
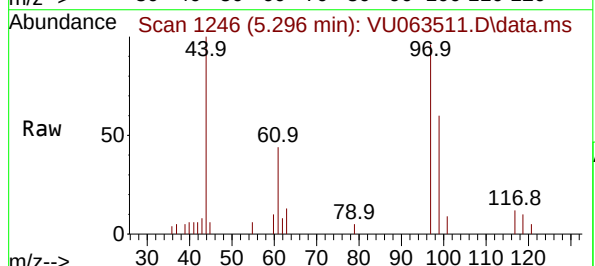
Tgt Ion: 97 Resp: 5809

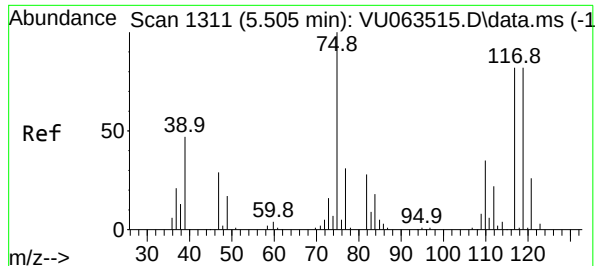
Ion Ratio Lower Upper

97 100

99 62.5 31.8 95.3

61 46.1 23.3 69.9





#29

1,1-Dichloropropene

Concen: 0.470 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

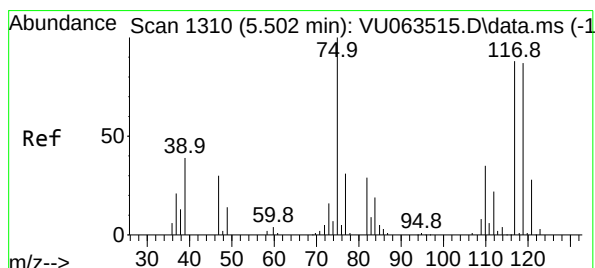
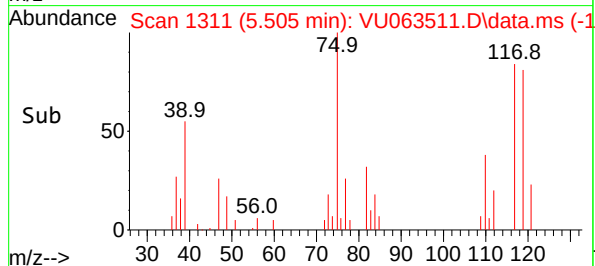
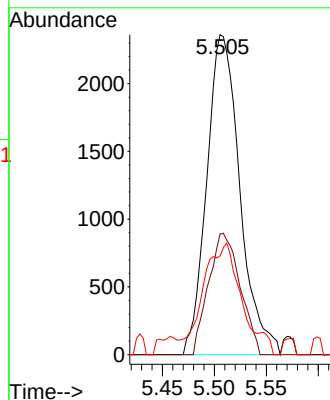
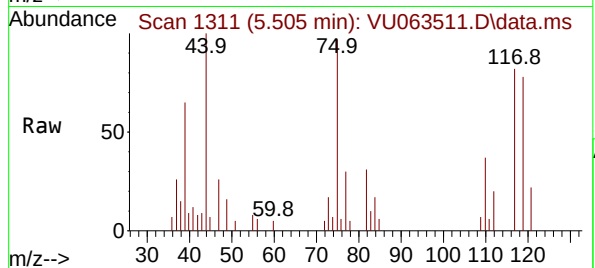
Tgt Ion:	75	Resp:	524
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.8	53.4
77	40.4	24.6	37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 0.438 ug/l

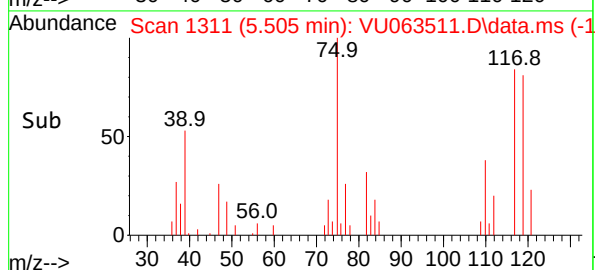
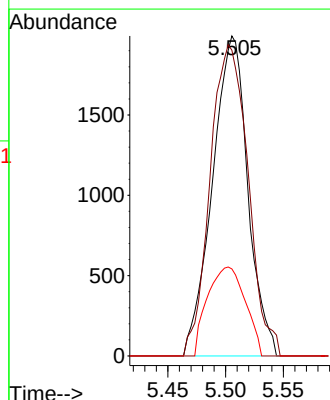
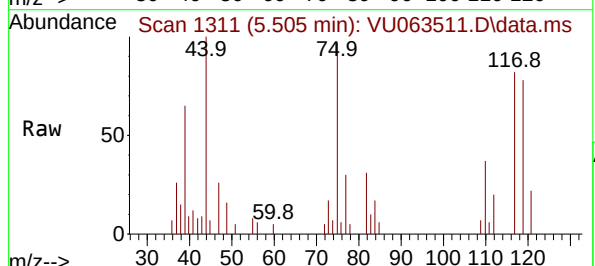
RT: 5.505 min Scan# 1311

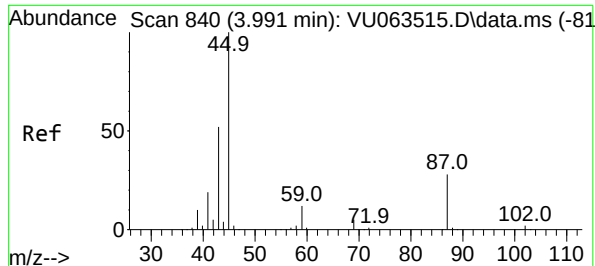
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	117	Resp:	4239
Ion	Ratio	Lower	Upper
117	100		
119	95.5	79.2	118.8
121	27.2	25.5	38.3





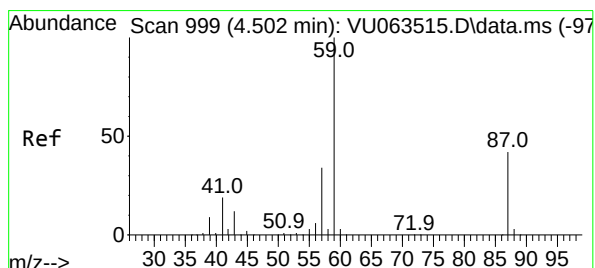
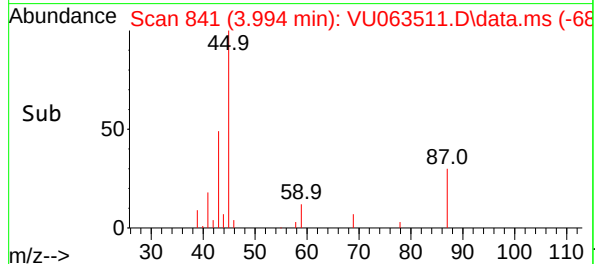
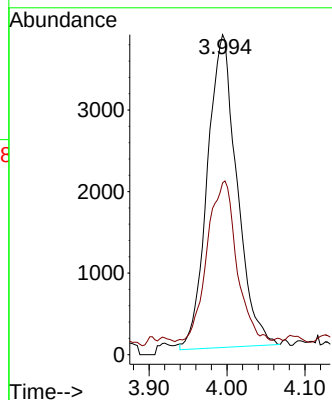
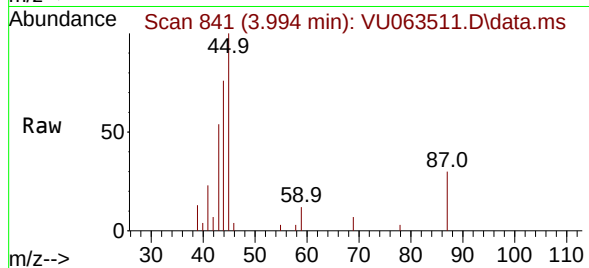
#31
Isopropyl Ether
Concen: 0.483 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 1012
Ion Ratio Lower Upper
45 100
43 51.1 25.7 77.0

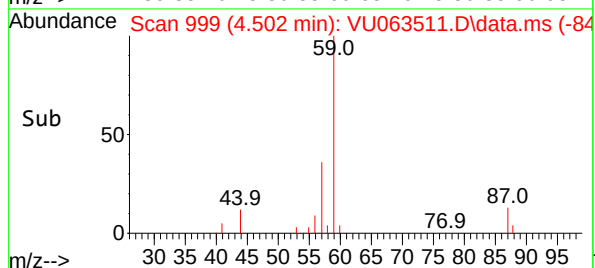
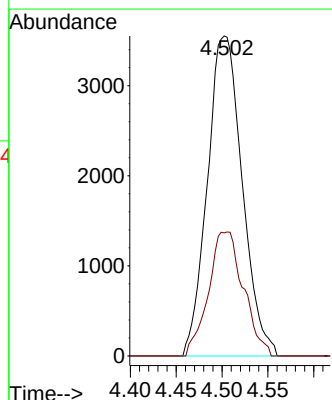
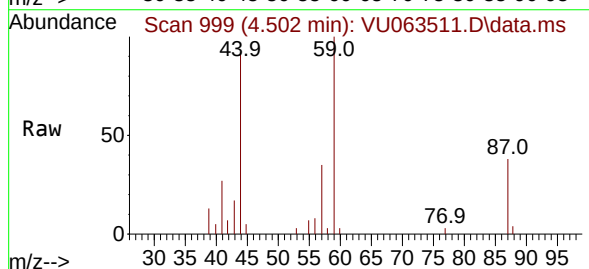
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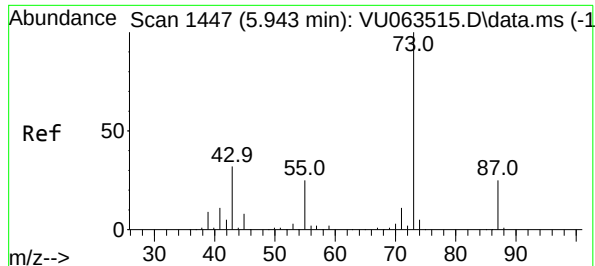
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 0.484 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 59 Resp: 9396
Ion Ratio Lower Upper
59 100
87 38.8 32.6 49.0





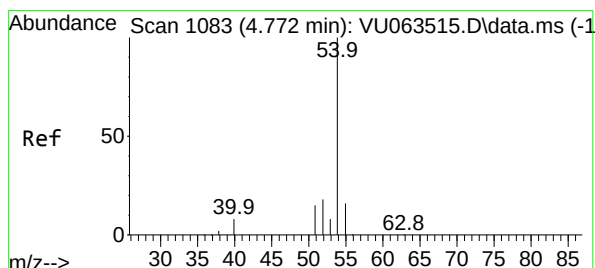
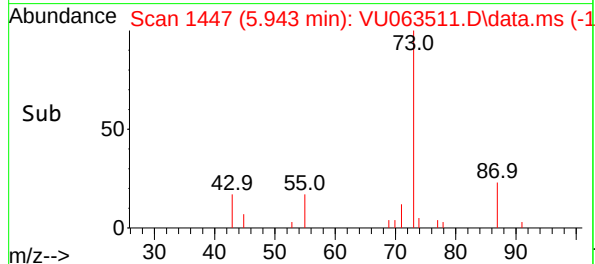
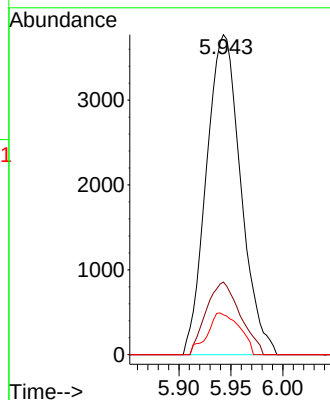
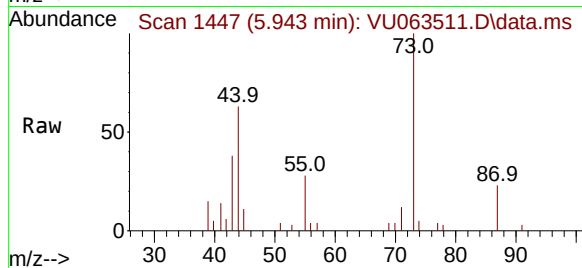
#33
Tert-Amyl methyl ether
Concen: 0.515 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 8680
Ion Ratio Lower Upper
73 100
87 22.5 19.4 29.2
71 12.2 8.9 13.3

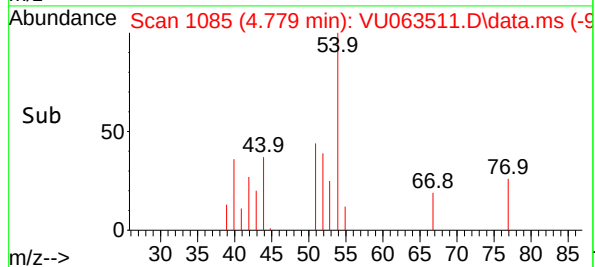
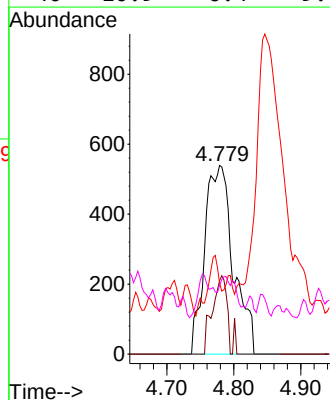
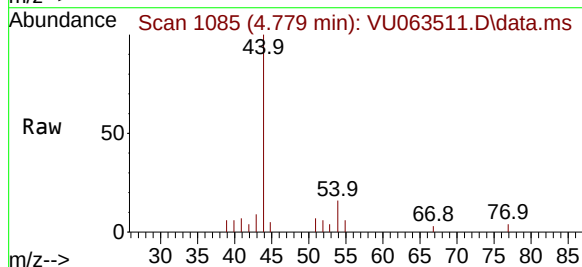
Manual Integrations
APPROVED

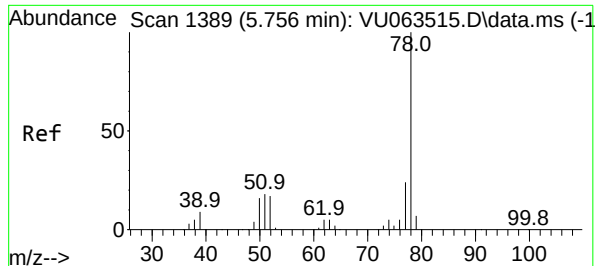
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34
Propionitrile
Concen: 2.565 ug/l m
RT: 4.779 min Scan# 1085
Delta R.T. 0.007 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 54 Resp: 1601
Ion Ratio Lower Upper
54 100
52 20.9 17.0 25.4
55 13.1 13.6 20.4#
40 10.9 6.4 9.6#





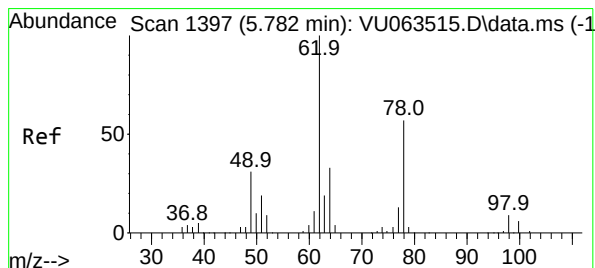
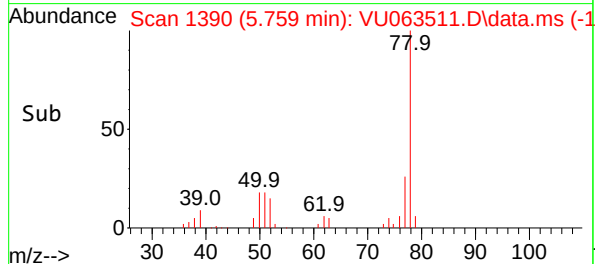
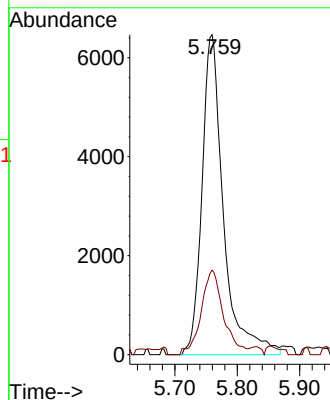
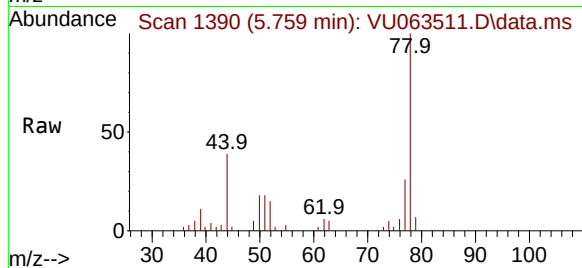
#35
Benzene
Concen: 0.517 ug/l
RT: 5.759 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 78 Resp: 1547
Ion Ratio Lower Upper
78 100
77 26.4 19.4 29.2

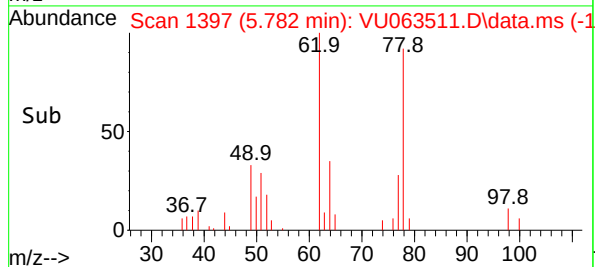
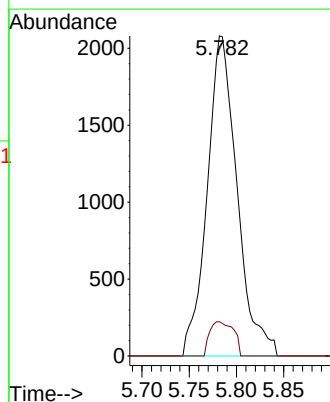
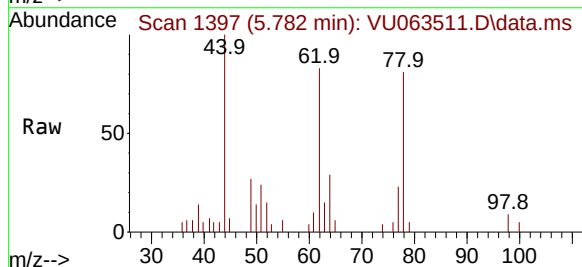
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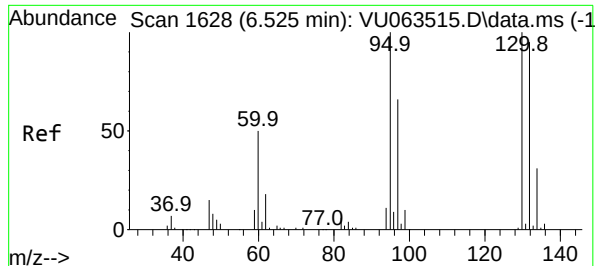
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 0.492 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion: 62 Resp: 4577
Ion Ratio Lower Upper
62 100
98 8.5 6.4 9.6





#37

Trichloroethene

Concen: 0.522 ug/l

RT: 6.528 min Scan# 1628

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 3989

Ion Ratio Lower Upper

130 100

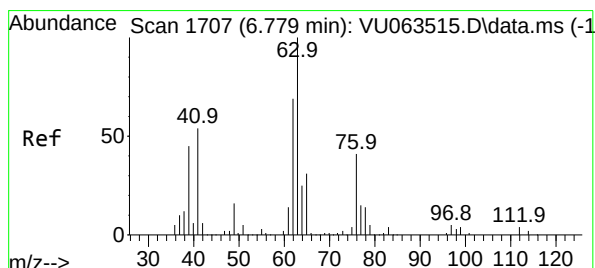
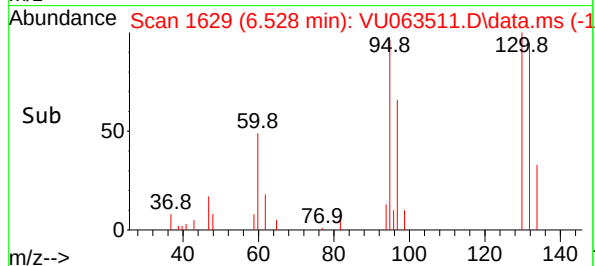
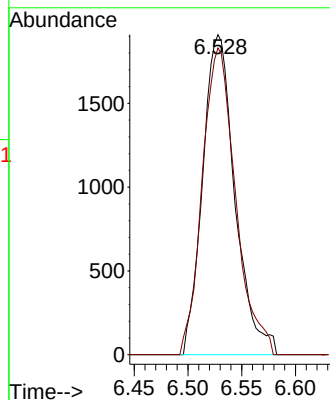
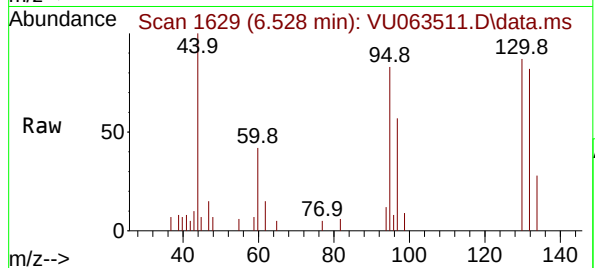
95 95.9 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 0.426 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063511.D

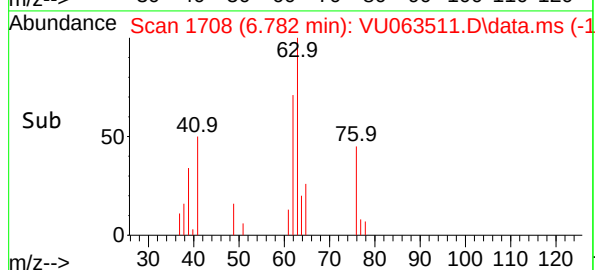
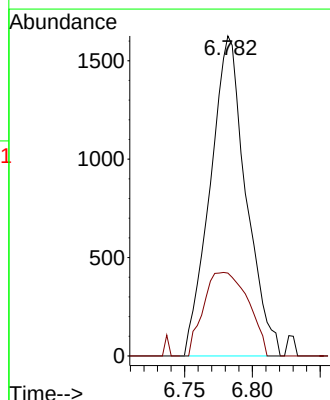
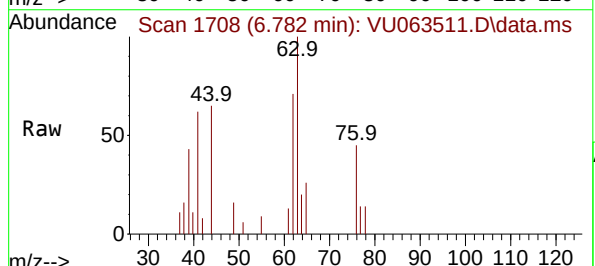
Acq: 16 Jul 2025 09:24

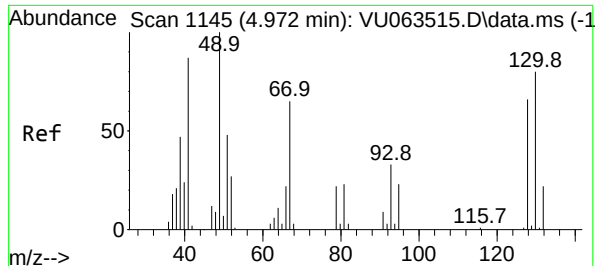
Tgt Ion: 63 Resp: 2987

Ion Ratio Lower Upper

63 100

65 25.9 24.6 36.8





#39

Methacrylonitrile

Concen: 0.645 ug/l

RT: 4.981 min Scan# 1148

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 41 Resp: 176

Ion Ratio Lower Upper

41 100

67 69.3 62.7 94.1

39 38.3 43.1 64.7

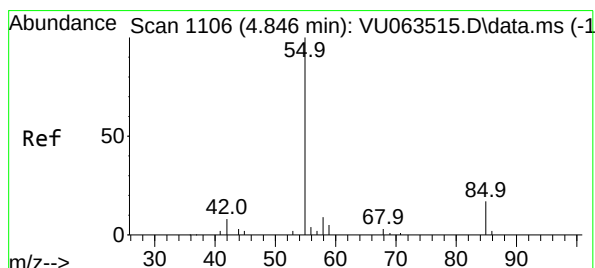
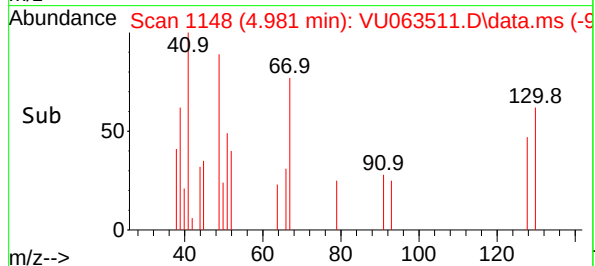
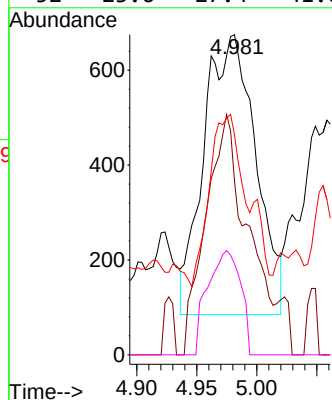
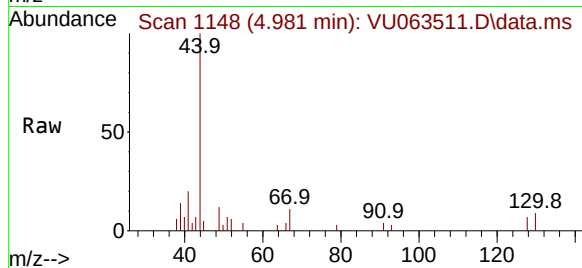
52 23.6 27.4 41.0#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 0.508 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion: 55 Resp: 2059

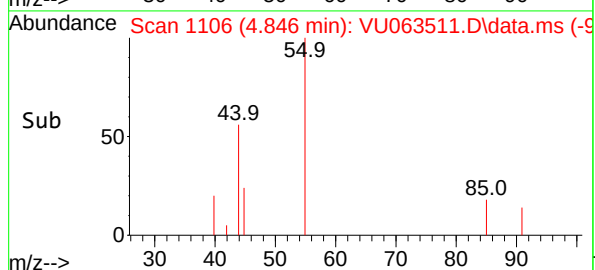
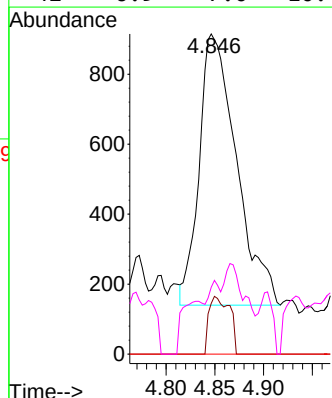
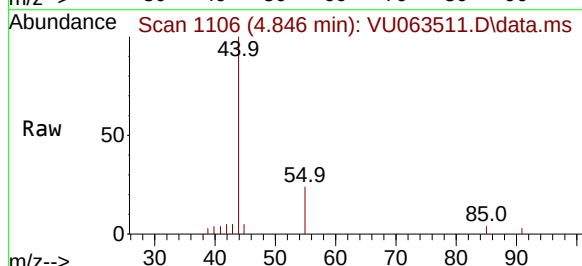
Ion Ratio Lower Upper

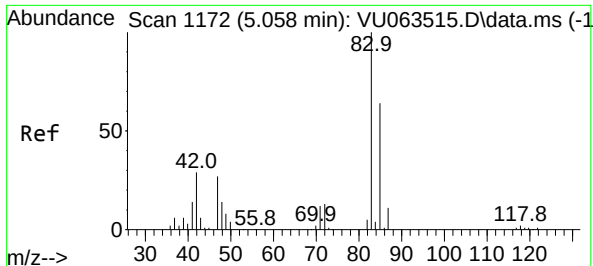
55 100

85 11.8 12.8 19.2#

58 0.0 7.0 10.4#

42 6.9 7.0 10.4#





#41

Tetrahydrofuran

Concen: 1.376 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

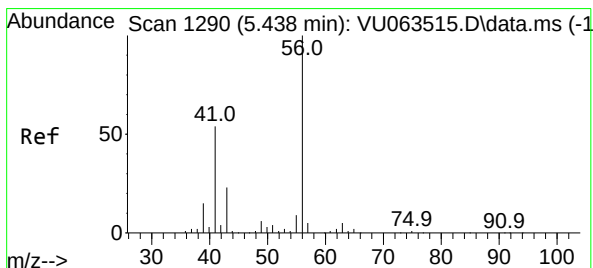
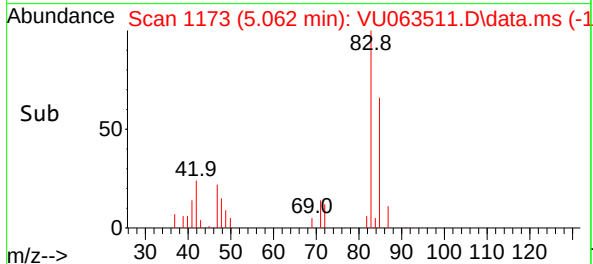
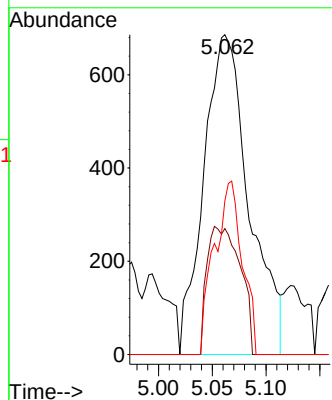
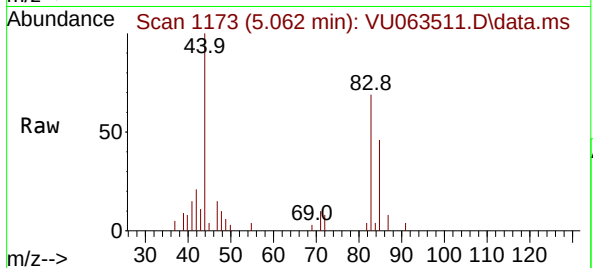
Tgt Ion:	42	Resp:	2000
Ion	Ratio	Lower	Upper
42	100		
72	29.3	39.2	58.8
71	33.5	34.8	52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 0.493 ug/l

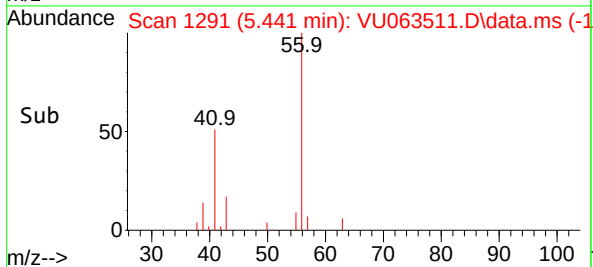
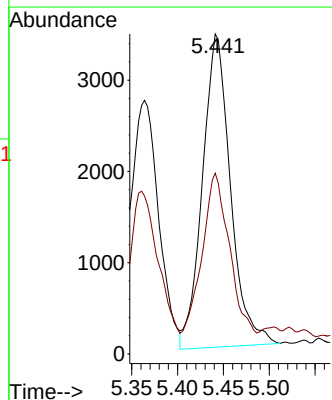
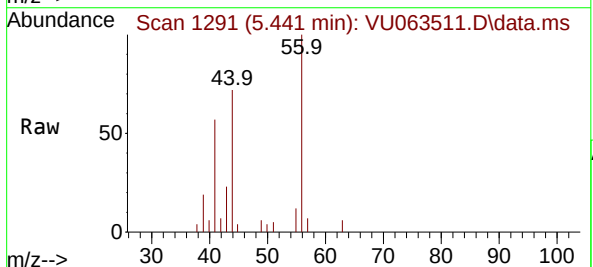
RT: 5.441 min Scan# 1291

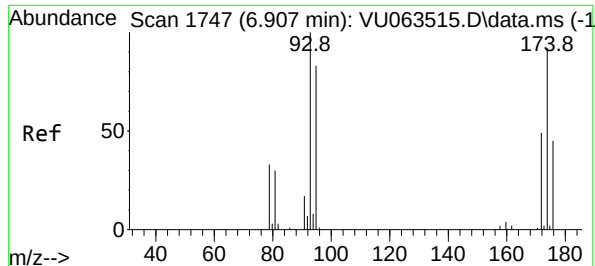
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	56	Resp:	7303
Ion	Ratio	Lower	Upper
56	100		
41	48.2	26.7	80.0





#43

Dibromomethane

Concen: 0.462 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

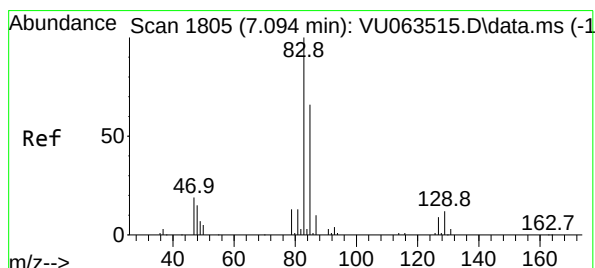
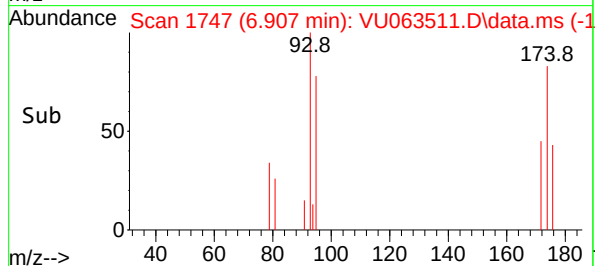
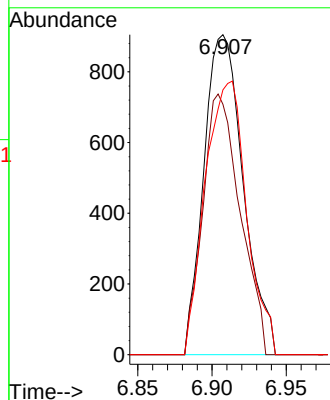
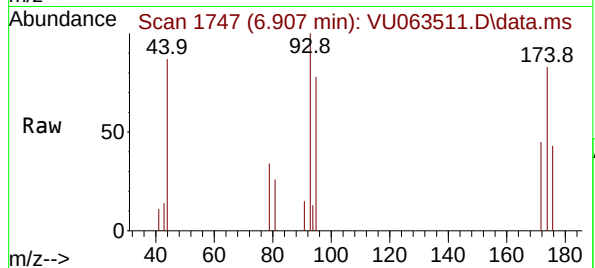
VSTDIC0.5

Tgt Ion: 93	Resp: 1679
Ion Ratio	Lower Upper
93 100	
95 77.2	67.9 101.9
174 89.3	74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 0.471 ug/l

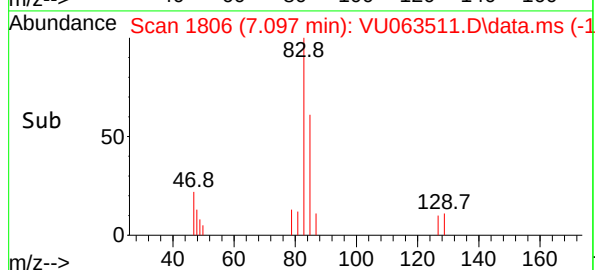
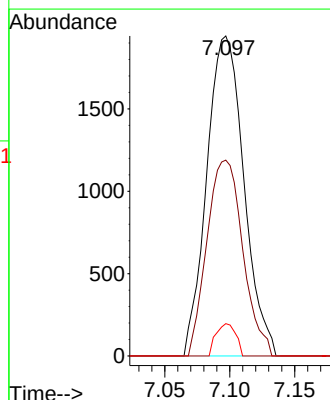
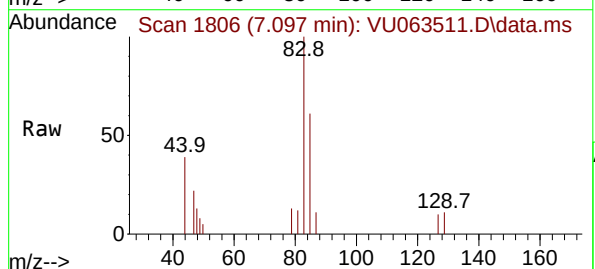
RT: 7.097 min Scan# 1806

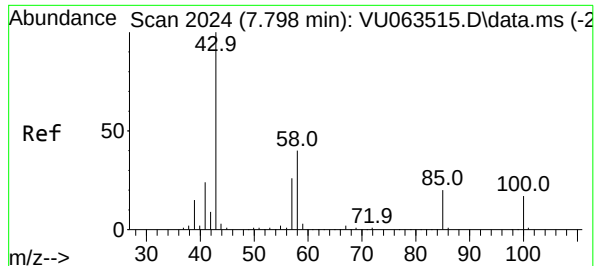
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion: 83	Resp: 3861
Ion Ratio	Lower Upper
83 100	
85 61.2	52.7 79.1
127 10.1	8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 2.301 ug/l

RT: 7.801 min Scan# 2024

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

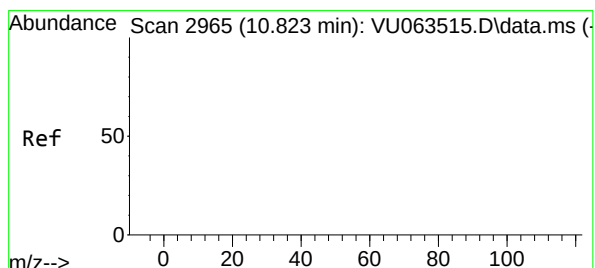
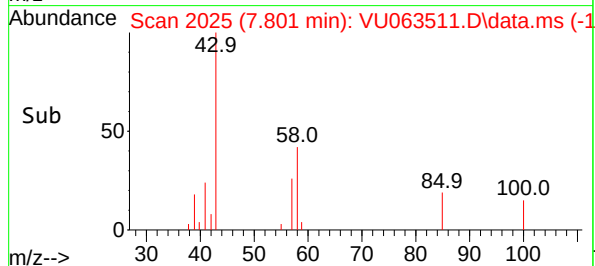
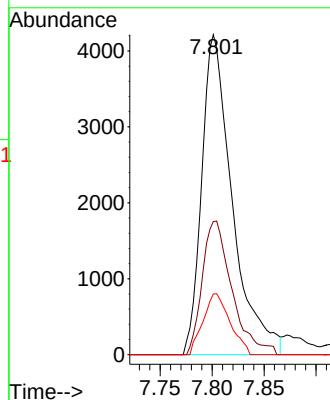
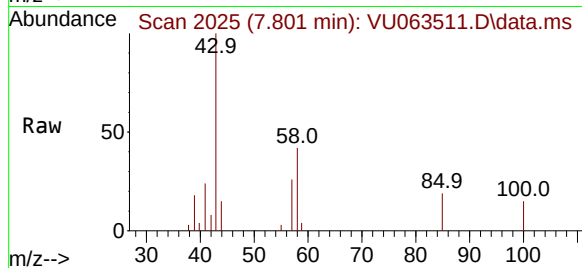
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:	43	Resp:	861
Ion	Ratio	Lower	Upper
43	100		
58	40.6	20.0	60.0
85	16.7	15.4	23.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#46

t-1,4-Dichloro-2-butene

Concen: 0.990 ug/l m

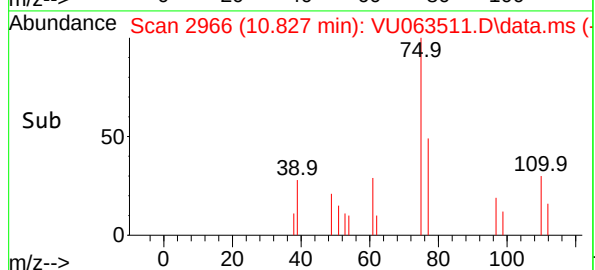
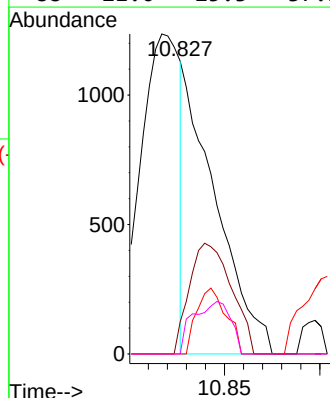
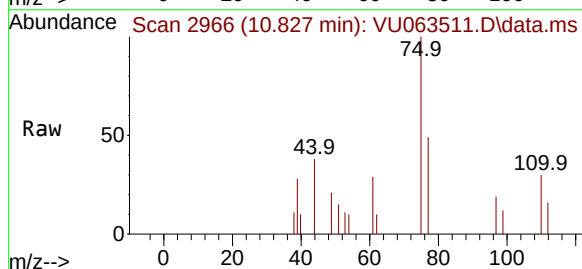
RT: 10.827 min Scan# 2966

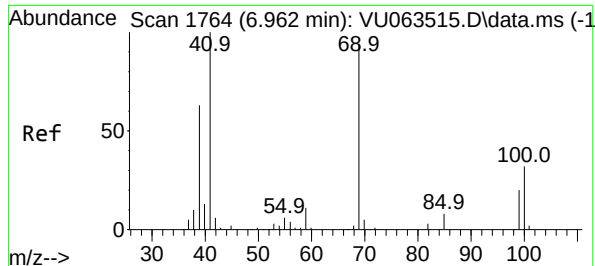
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	75	Resp:	1314
Ion	Ratio	Lower	Upper
75	100		
53	50.0	48.4	72.6
89	20.9	30.6	45.8#
88	21.0	25.3	37.9#





#47

Methyl methacrylate

Concen: 0.889 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 271

Ion Ratio Lower Upper

69 100

41 123.9 0.0 224.0

39 78.5 55.3 82.9

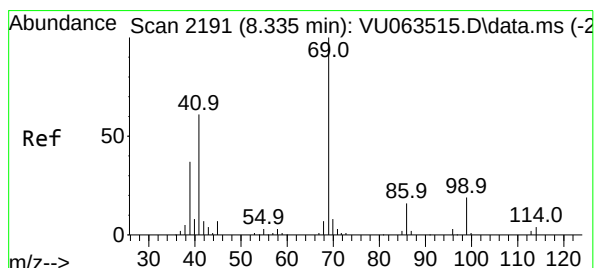
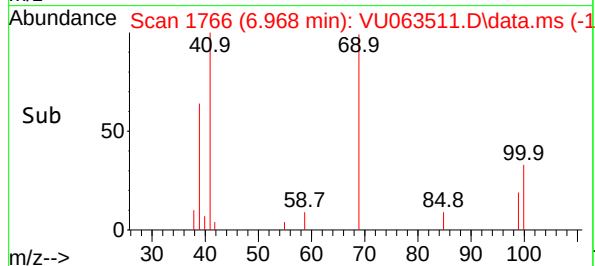
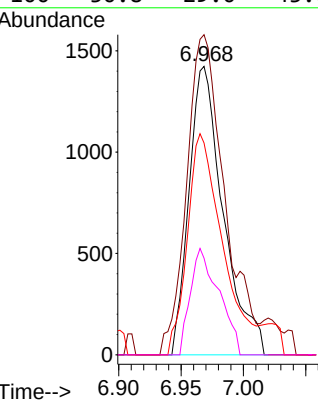
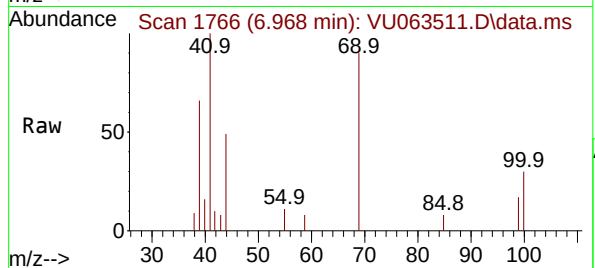
100 30.8 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 0.451 ug/l

RT: 8.341 min Scan# 2193

Delta R.T. 0.007 min

Lab File: VU063511.D

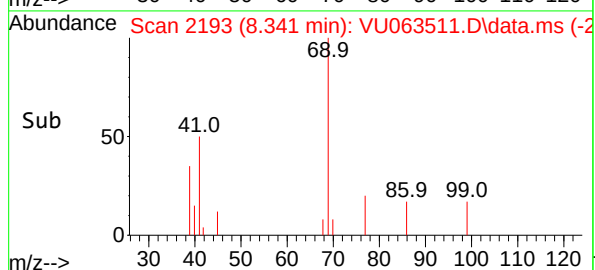
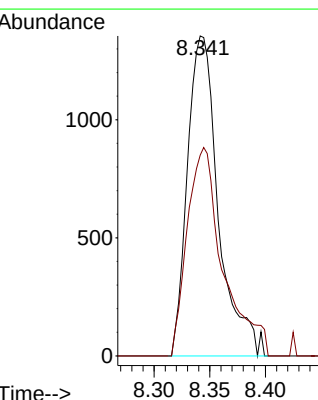
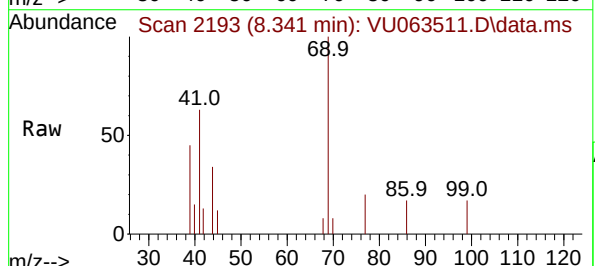
Acq: 16 Jul 2025 09:24

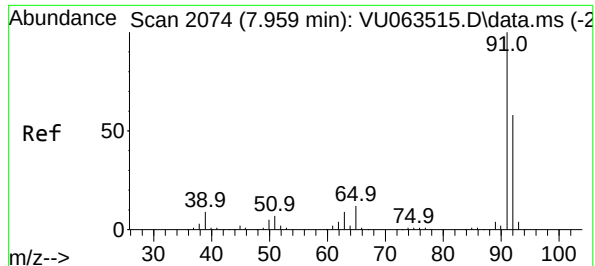
Tgt Ion: 69 Resp: 2622

Ion Ratio Lower Upper

69 100

41 75.1 30.8 92.4





#49

Toluene

Concen: 0.452 ug/l

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 739

Ion Ratio Lower Upper

92 100

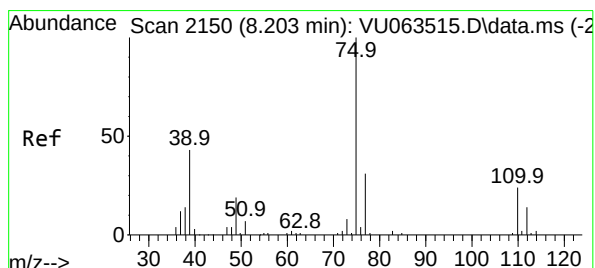
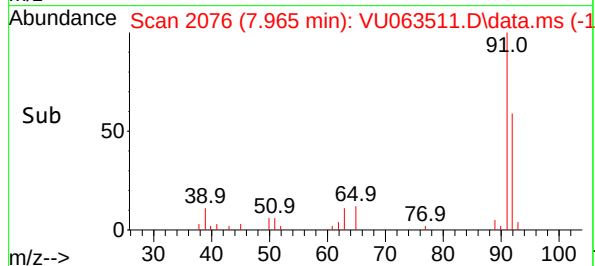
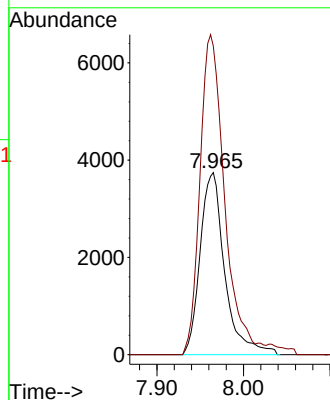
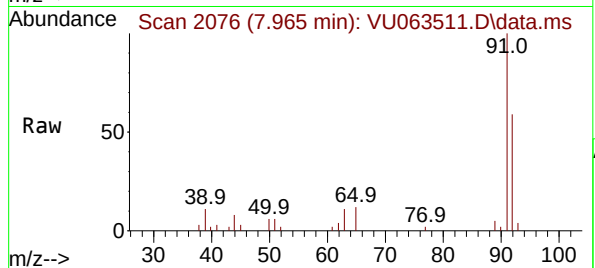
91 175.6 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 0.421 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU063511.D

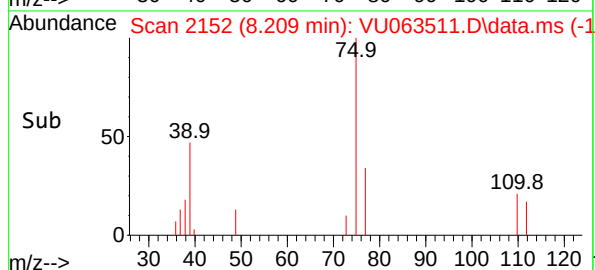
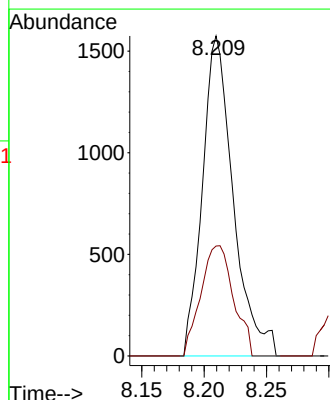
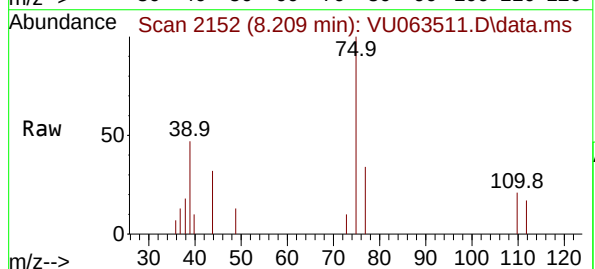
Acq: 16 Jul 2025 09:24

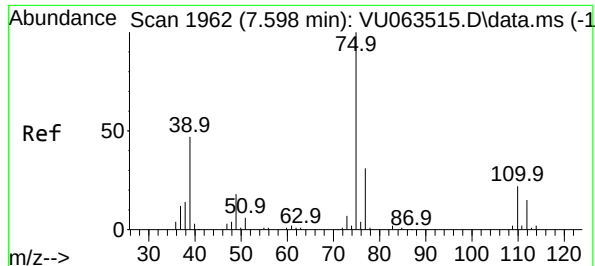
Tgt Ion: 75 Resp: 2708

Ion Ratio Lower Upper

75 100

77 34.3 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.419 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

77 34.8 25.1 37.7

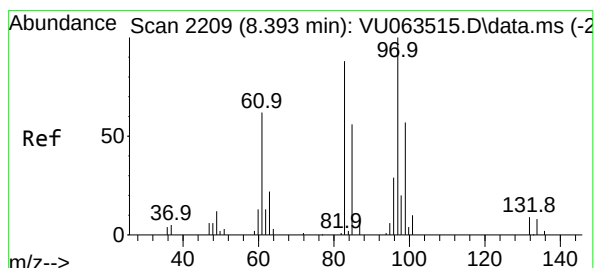
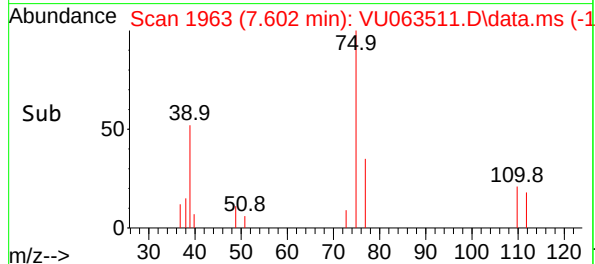
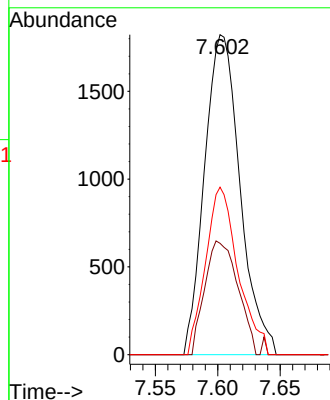
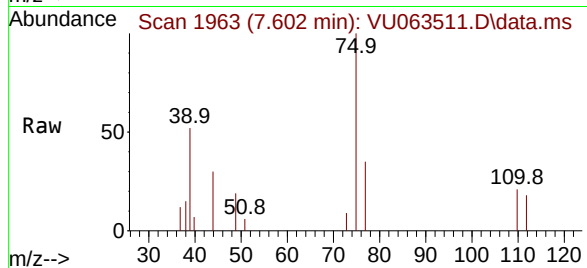
39 52.3 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 0.449 ug/l

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion: 97 Resp: 2194

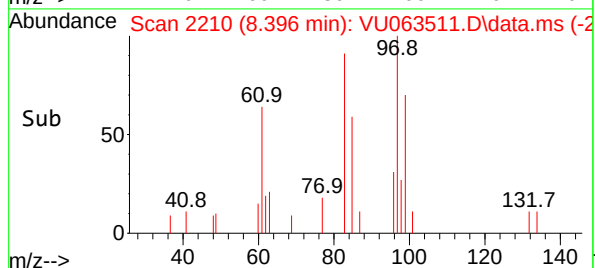
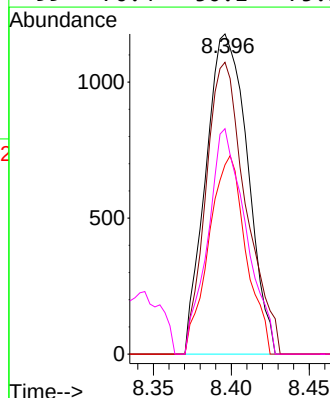
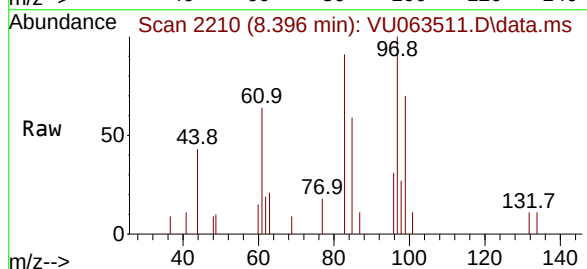
Ion Ratio Lower Upper

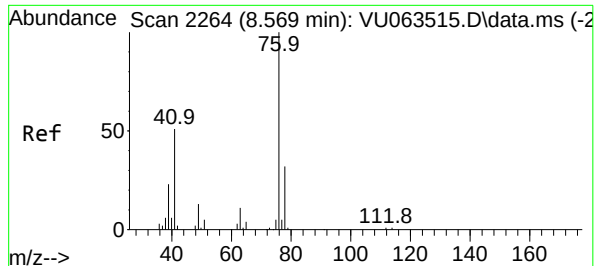
97 100

83 91.2 70.2 105.2

85 59.1 45.2 67.8

99 70.4 50.1 75.1





#53

1,3-Dichloropropane

Concen: 0.467 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

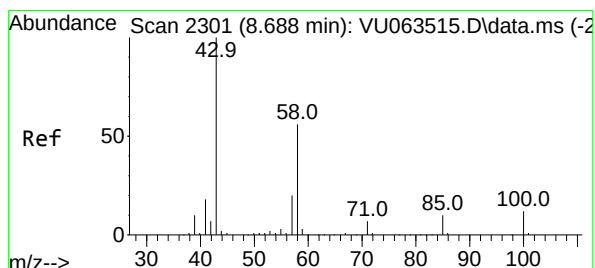
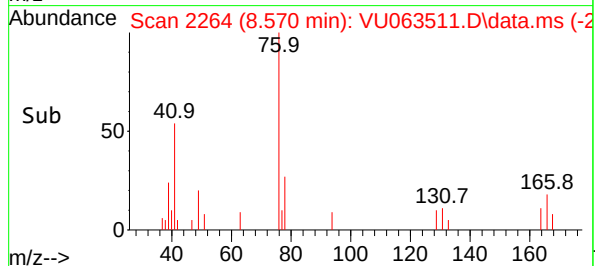
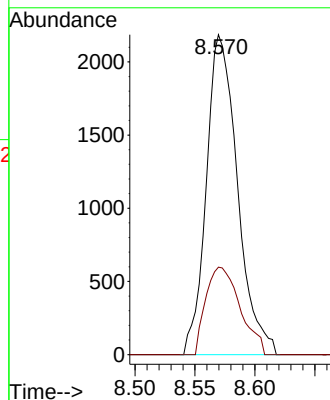
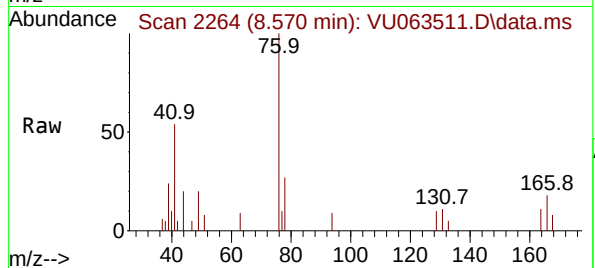
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:	76	Resp:	394
Ion Ratio	Lower	Upper	
76	100		
78	30.2	26.0	39.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#54

2-Hexanone

Concen: 2.289 ug/l

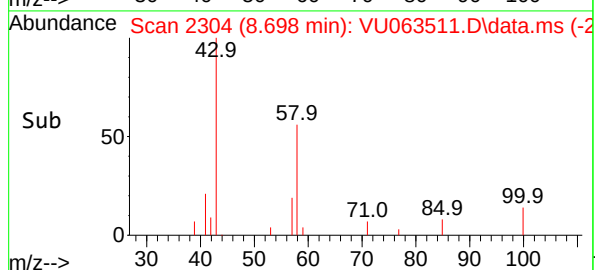
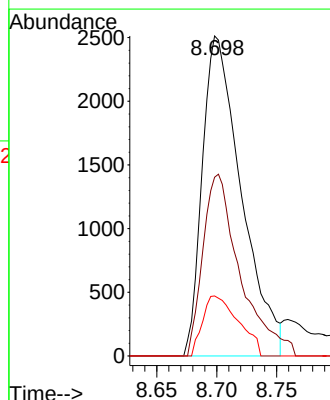
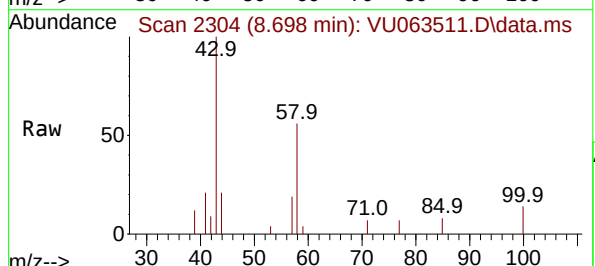
RT: 8.698 min Scan# 2304

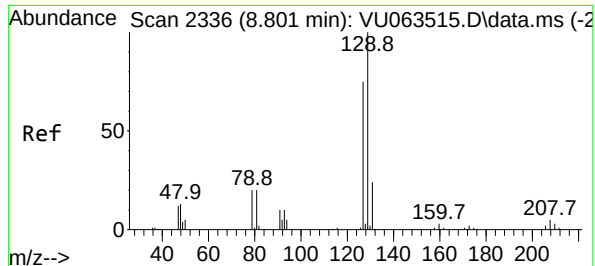
Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

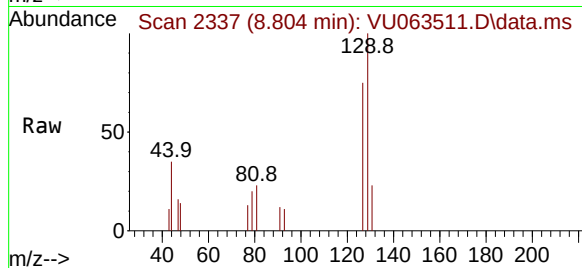
Tgt Ion:	43	Resp:	5691
Ion Ratio	Lower	Upper	
43	100		
58	54.1	34.8	74.8
57	17.3	0.0	39.5





#55
Dibromochloromethane
Concen: 0.406 ug/l
RT: 8.804 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

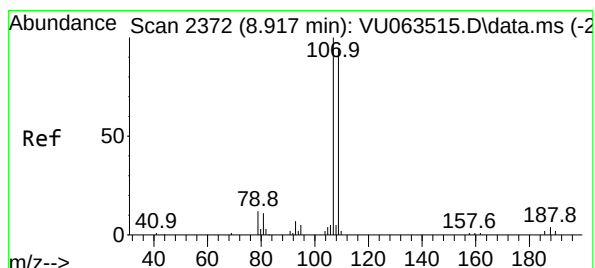
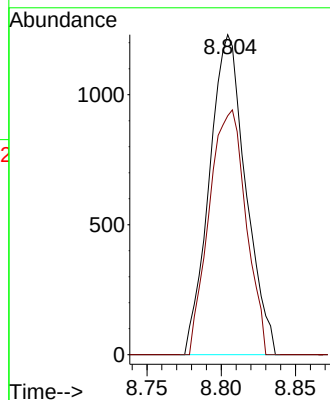
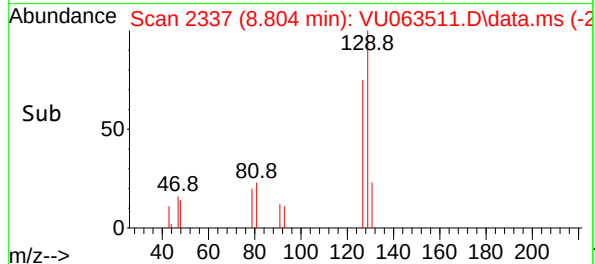
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



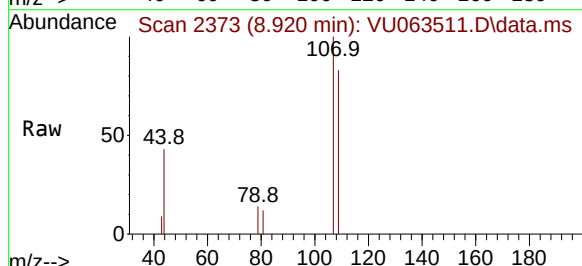
Tgt Ion:129 Resp: 209
Ion Ratio Lower Upper
129 100
127 77.3 60.1 90.1

Manual Integrations
APPROVED

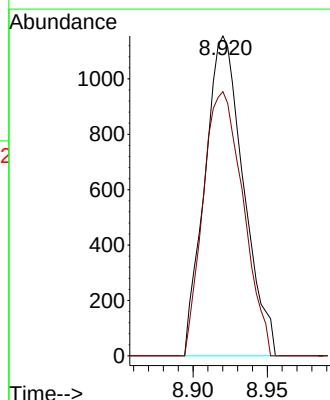
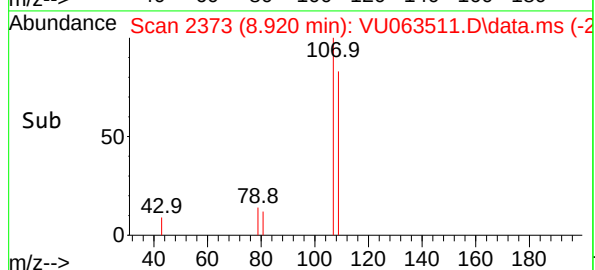
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

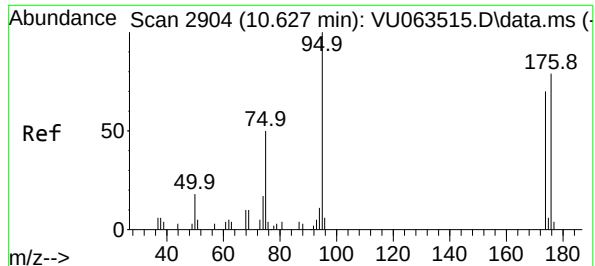


#56
1,2-Dibromoethane
Concen: 0.477 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24



Tgt Ion:107 Resp: 2089
Ion Ratio Lower Upper
107 100
109 85.6 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.986 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063511.D

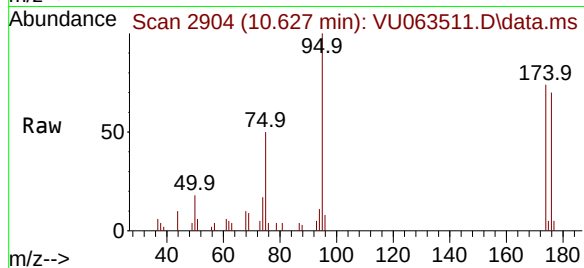
Acq: 16 Jul 2025 09:24

Instrument :

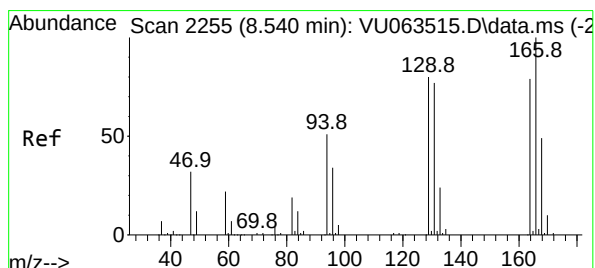
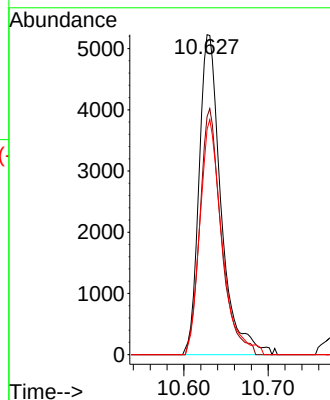
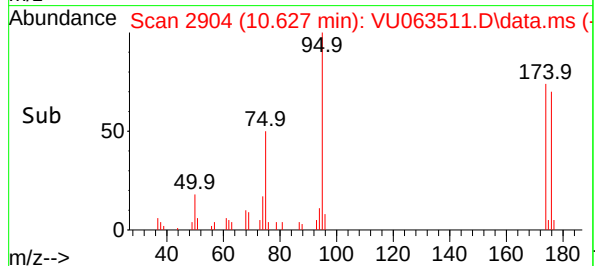
MSVOA_U

ClientSampleId :

VSTDIC0.5



Tgt Ion:	95	Resp:	948
Ion	Ratio	Lower	Upper
95	100		
174	74.2	59.8	89.8
176	73.7	61.8	92.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#58

Tetrachloroethene

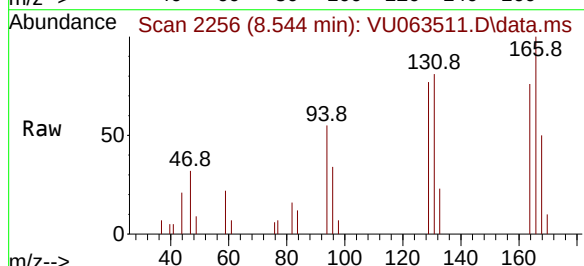
Concen: 0.461 ug/l

RT: 8.544 min Scan# 2256

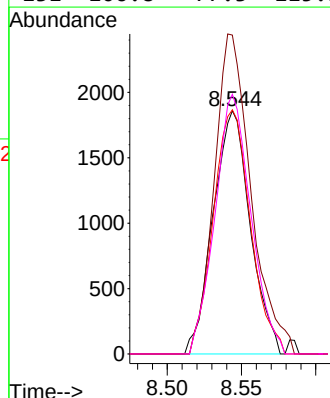
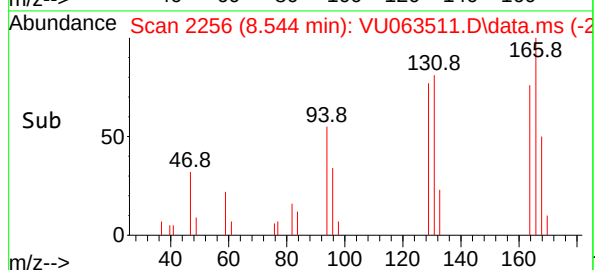
Delta R.T. 0.003 min

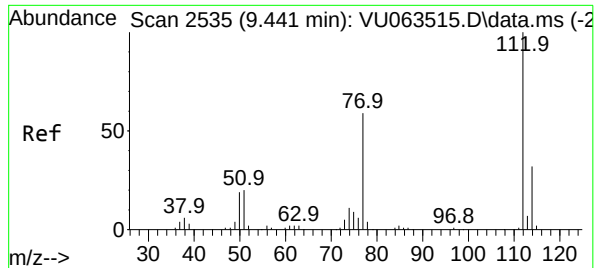
Lab File: VU063511.D

Acq: 16 Jul 2025 09:24



Tgt Ion:	164	Resp:	3225
Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.7	151.1
129	100.4	80.6	120.8
131	106.8	77.3	115.9





#59

Chlorobenzene

Concen: 0.460 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:112 Resp: 8639

Ion Ratio Lower Upper

112 100

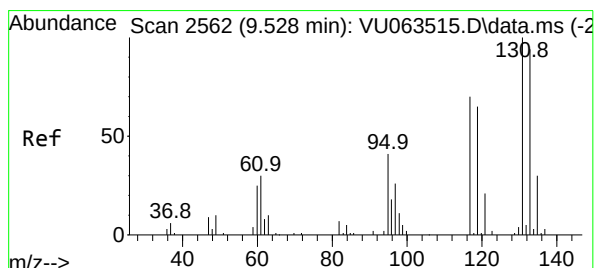
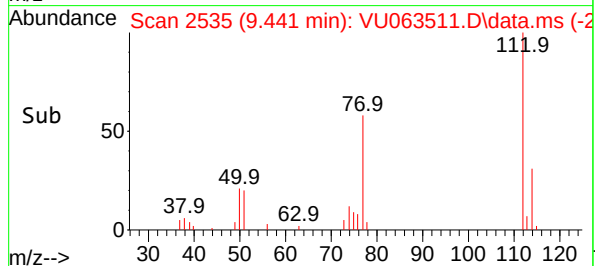
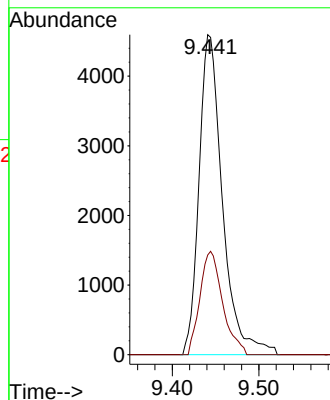
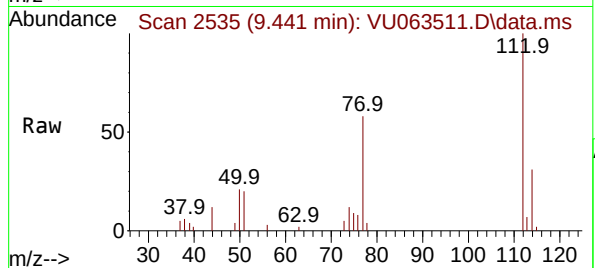
114 31.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.445 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

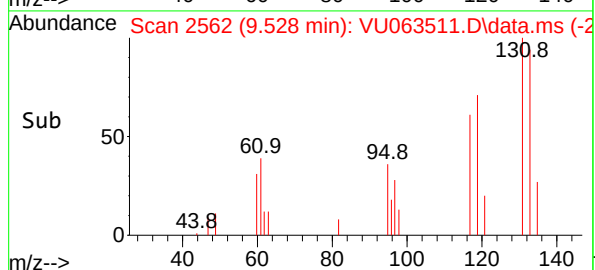
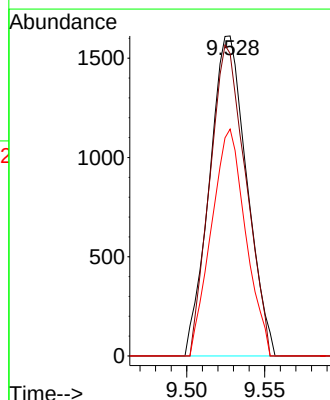
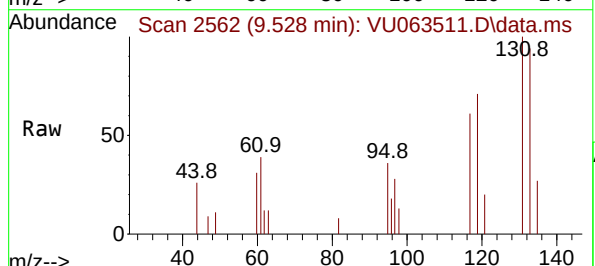
Tgt Ion:131 Resp: 2686

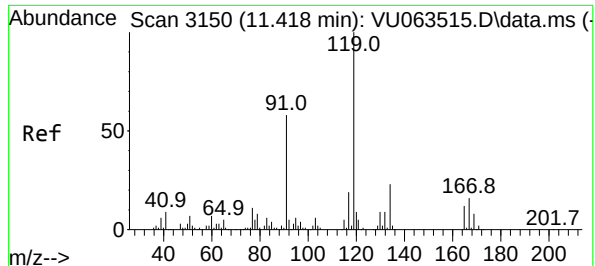
Ion Ratio Lower Upper

131 100

133 93.3 74.7 112.1

119 65.1 53.0 79.4





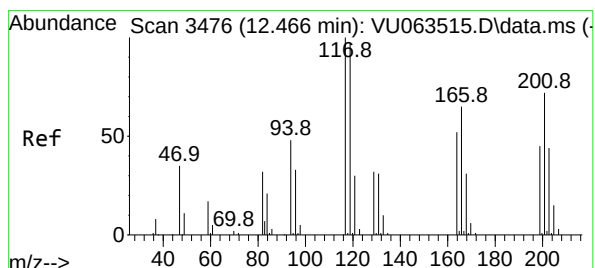
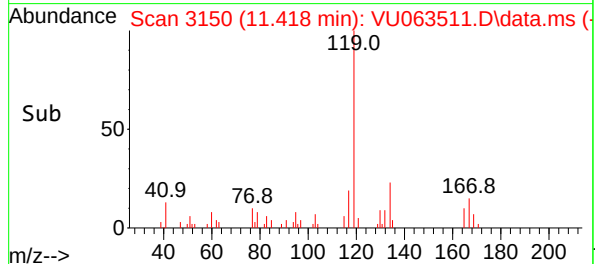
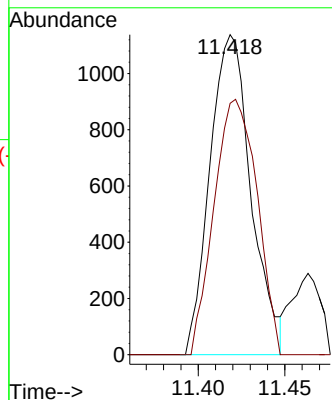
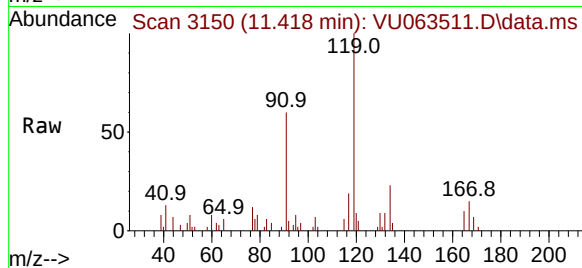
#61
Pentachloroethane
Concen: 0.441 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 1880
Ion Ratio Lower Upper
117 100
167 83.4 65.0 97.6

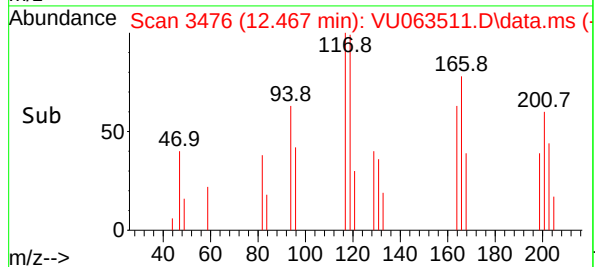
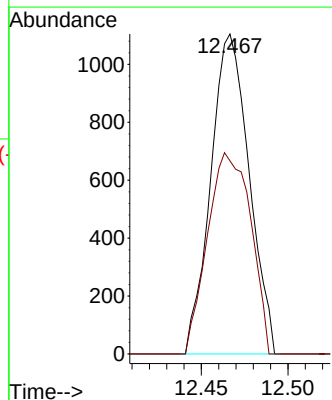
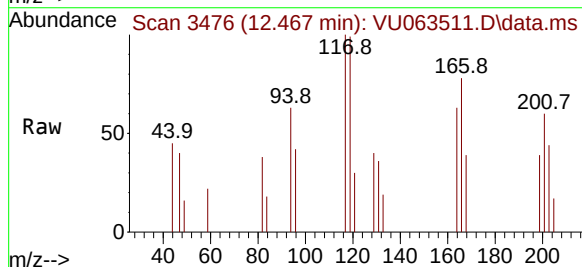
Manual Integrations
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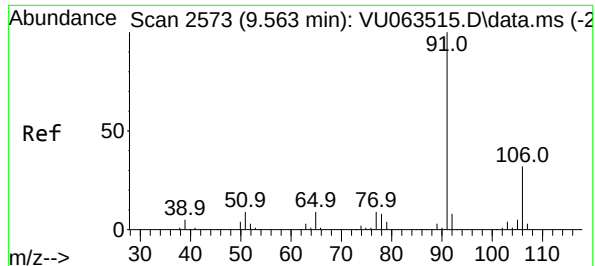
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 0.403 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion:117 Resp: 1703
Ion Ratio Lower Upper
117 100
201 70.8 57.4 86.0





#63

Ethyl Benzene

Concen: 0.470 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 1518

Ion Ratio Lower Upper

91 100

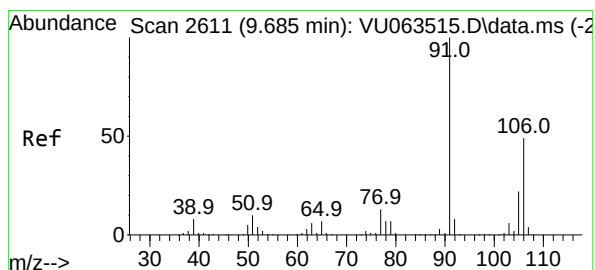
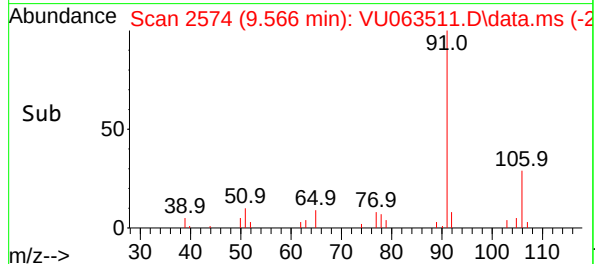
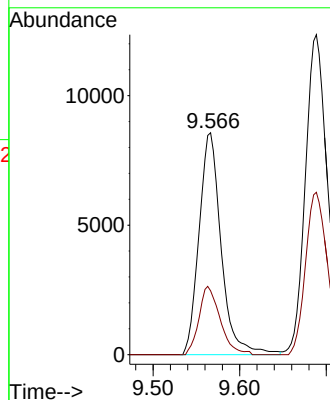
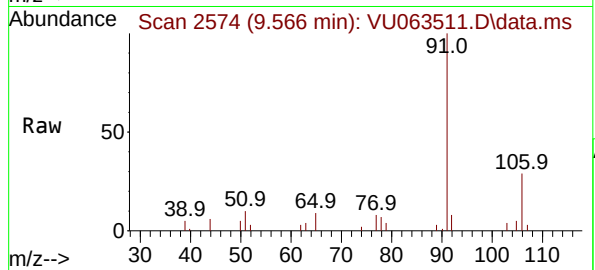
106 28.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 0.929 ug/l

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063511.D

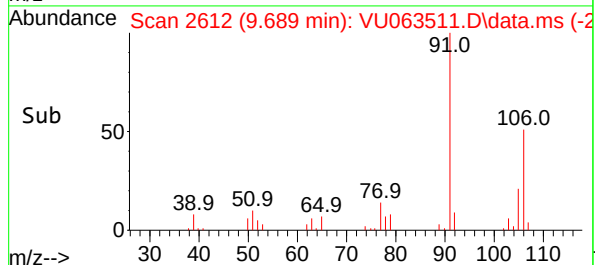
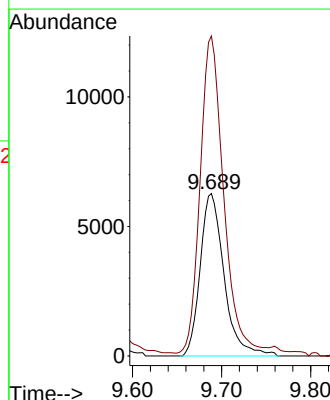
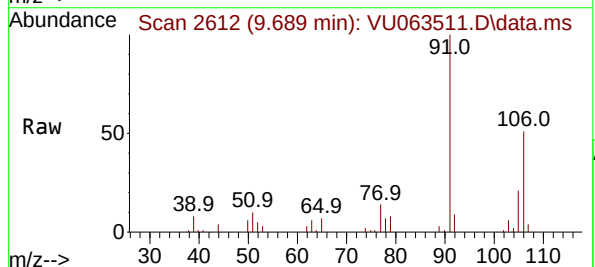
Acq: 16 Jul 2025 09:24

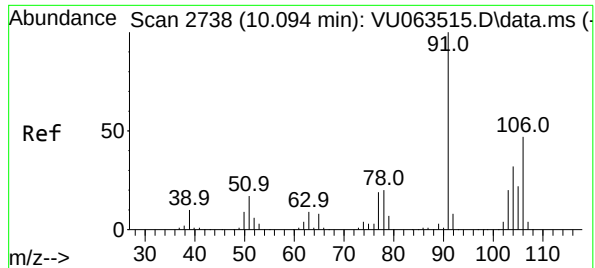
Tgt Ion:106 Resp: 11672

Ion Ratio Lower Upper

106 100

91 190.8 163.6 245.4





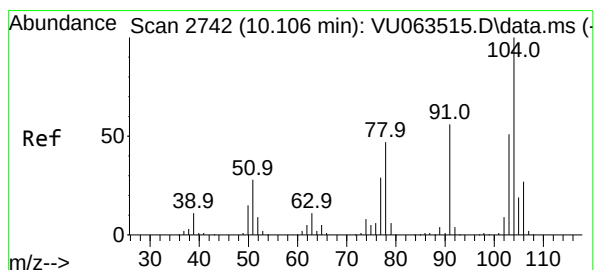
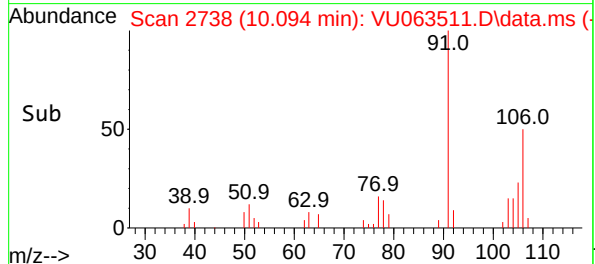
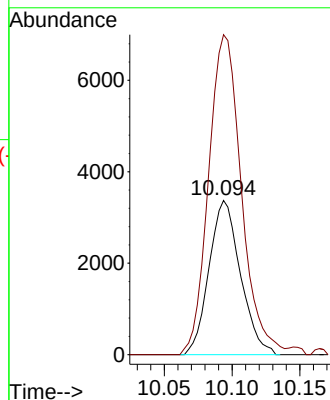
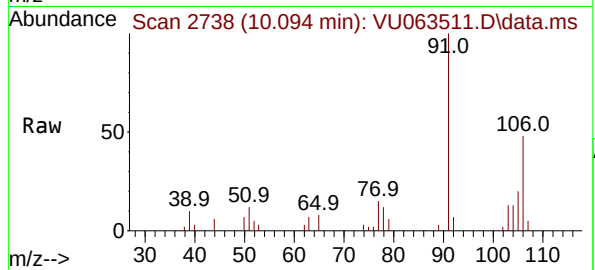
#65
o-Xylene
Concen: 0.450 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 543
Ion Ratio Lower Upper
106 100
91 216.6 108.1 324.4

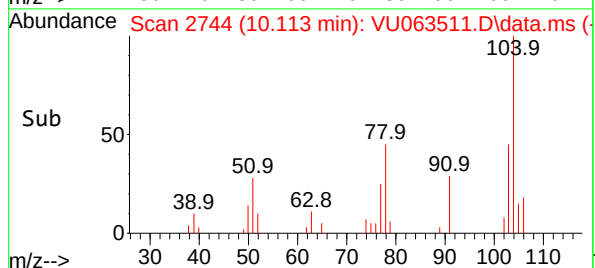
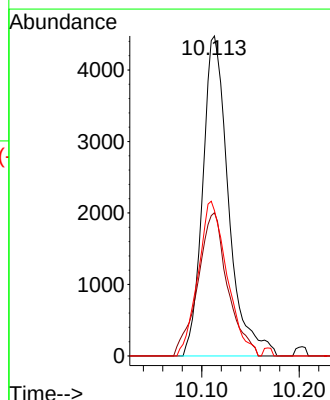
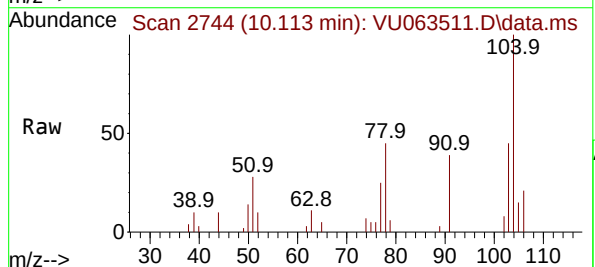
Manual Integrations
APPROVED

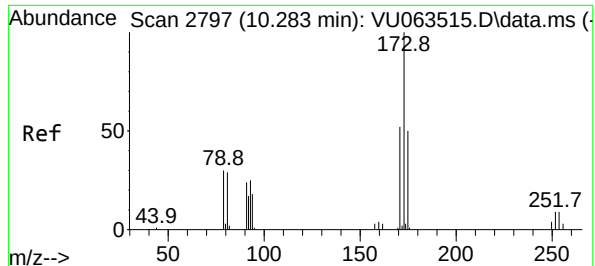
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 0.429 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.007 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

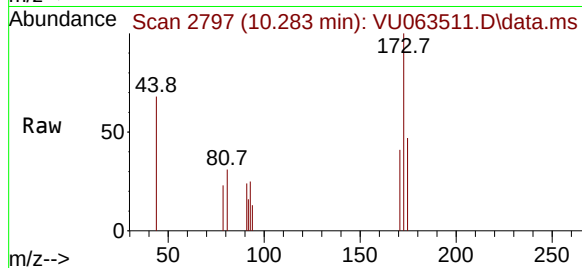
Tgt Ion:104 Resp: 8244
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 54.1 43.6 65.4





#67
Bromoform
Concen: 0.458 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

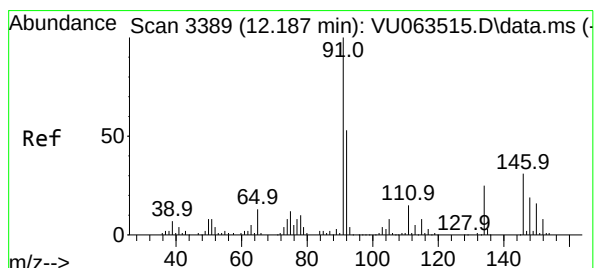
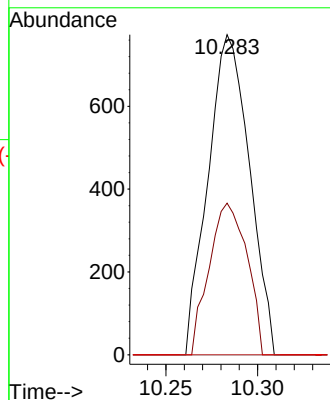
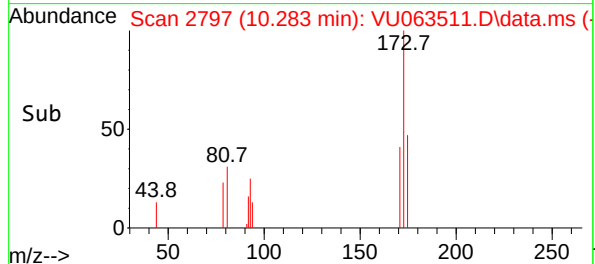
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



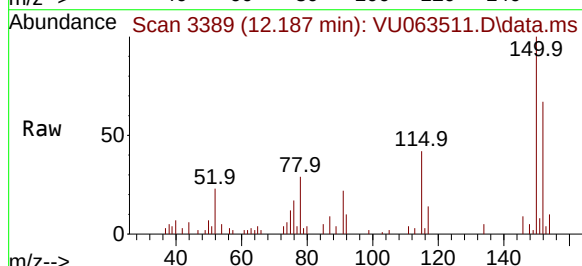
Tgt Ion:173 Resp: 1214
Ion Ratio Lower Upper
173 100
175 43.2 39.0 58.4
254 0.0 6.5 9.7

Manual Integrations
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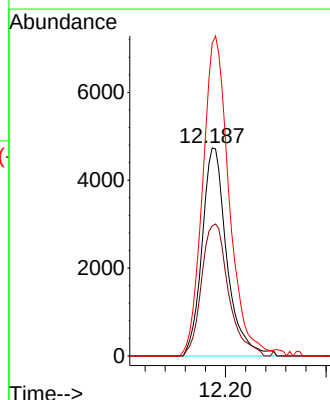
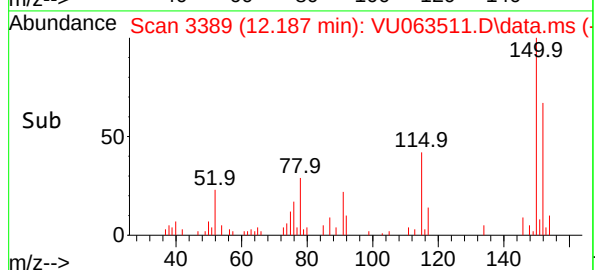
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

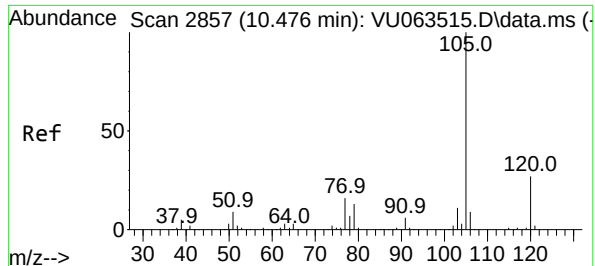


#68
1,2-Dichlorobenzene-d4
Concen: 0.909 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24



Tgt Ion:152 Resp: 8092
Ion Ratio Lower Upper
152 100
115 69.1 0.0 262.2
150 163.6 0.0 651.2





#69

Isopropylbenzene

Concen: 0.442 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 105 Resp: 1291

Ion Ratio Lower Upper

105 100

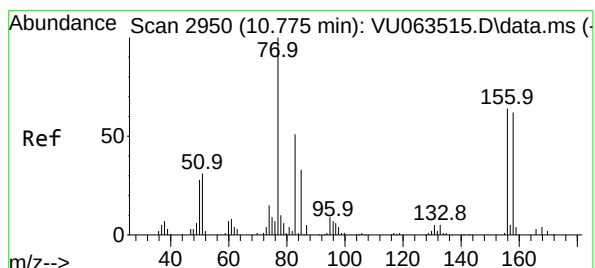
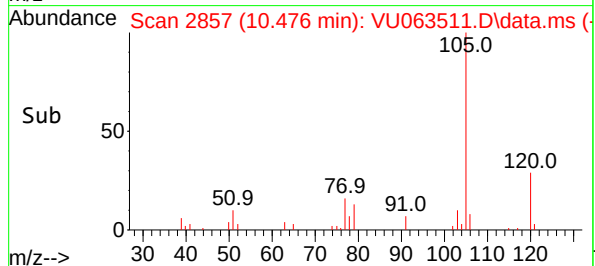
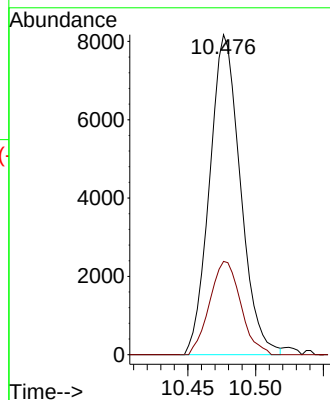
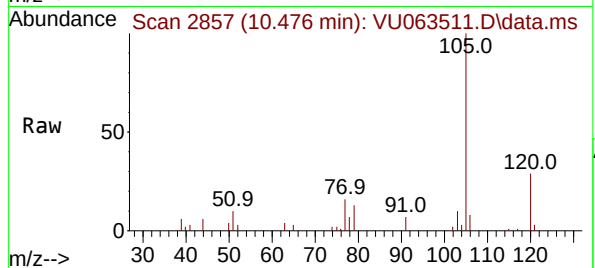
120 29.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.474 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

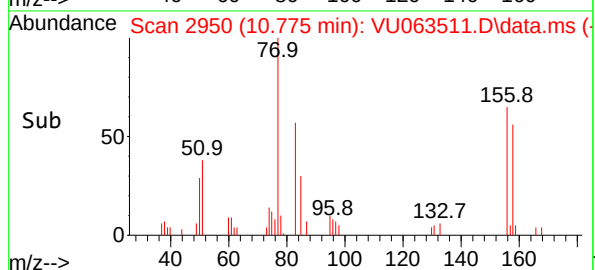
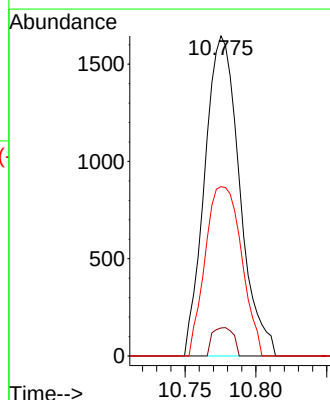
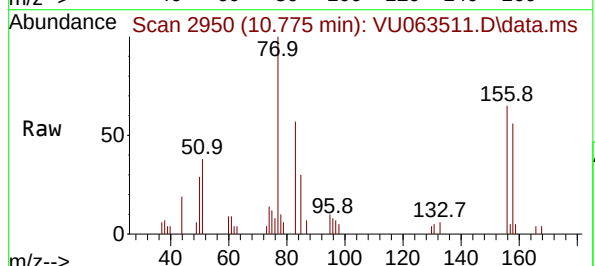
Tgt Ion: 83 Resp: 2820

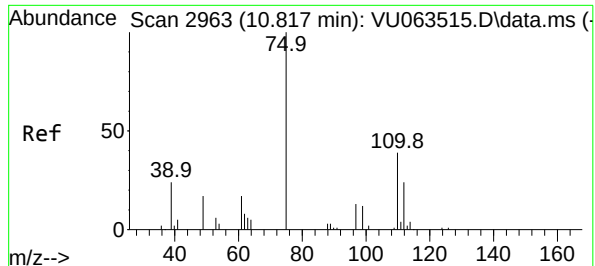
Ion Ratio Lower Upper

83 100

131 5.4 8.4 12.6#

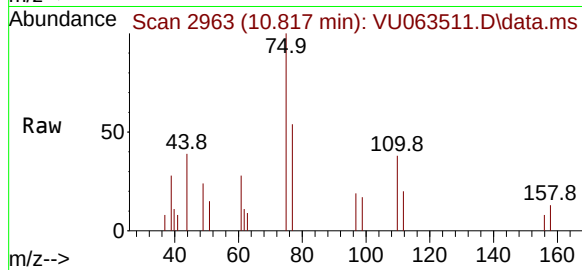
85 54.9 51.9 77.9





#71
1,2,3-Trichloropropane
Concen: 0.449 ug/l m
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

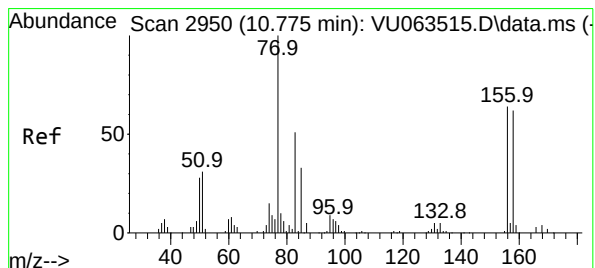
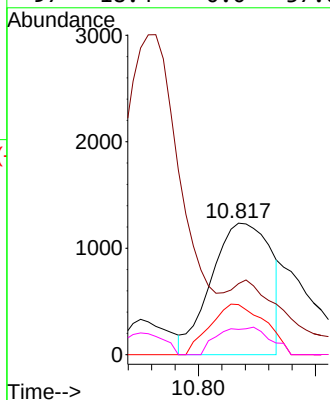
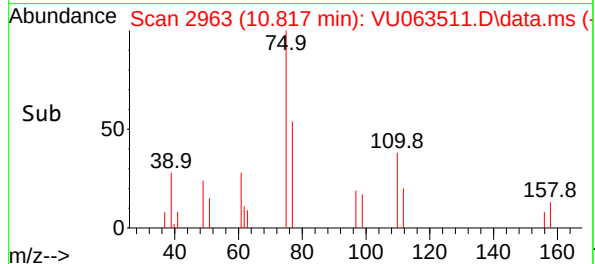
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



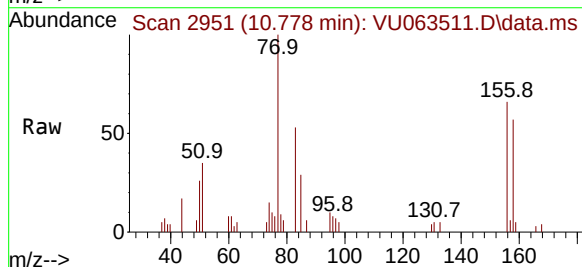
Tgt Ion: 75 Resp: 2178
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 35.5 0.0 73.2
97 18.4 0.0 37.6

Manual Integrations
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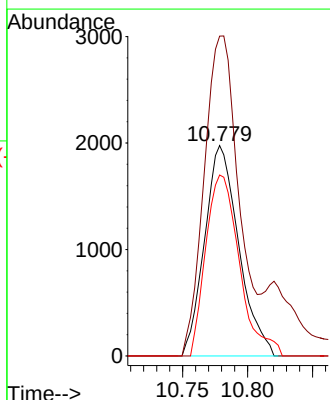
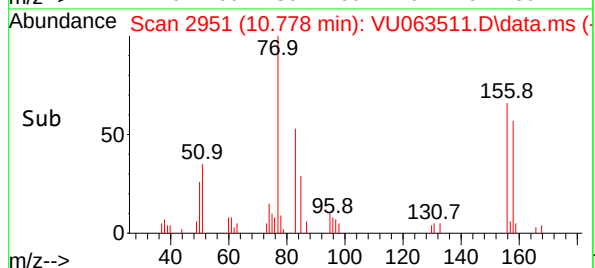
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

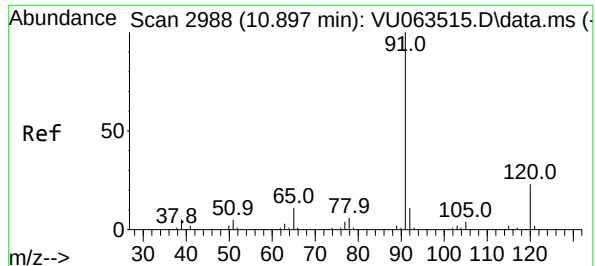


#72
Bromobenzene
Concen: 0.479 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24



Tgt Ion:156 Resp: 3609
Ion Ratio Lower Upper
156 100
77 152.5 0.0 315.2
158 84.9 0.0 195.4





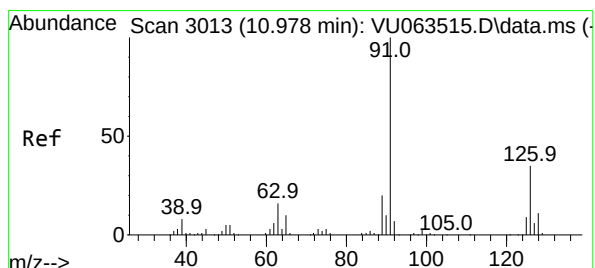
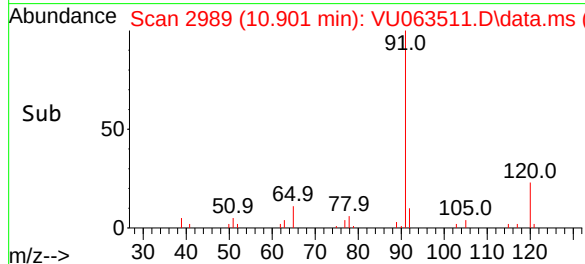
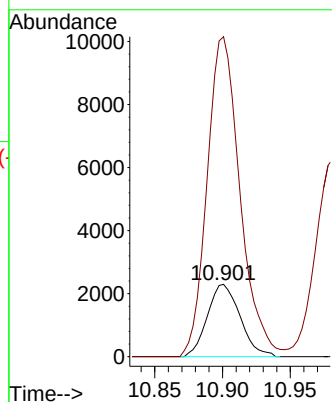
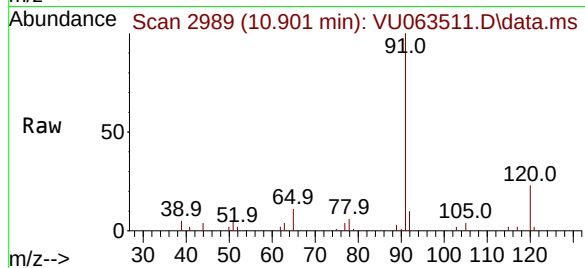
#73
n-propylbenzene
Concen: 0.438 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 3852
Ion Ratio Lower Upper
120 100
91 445.4 343.1 514.7

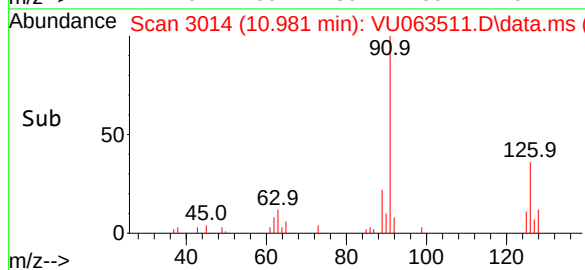
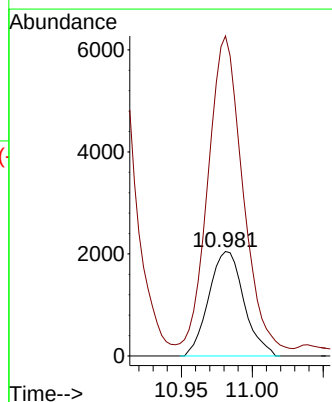
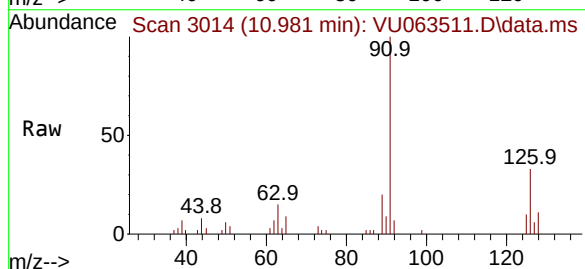
Manual Integrations
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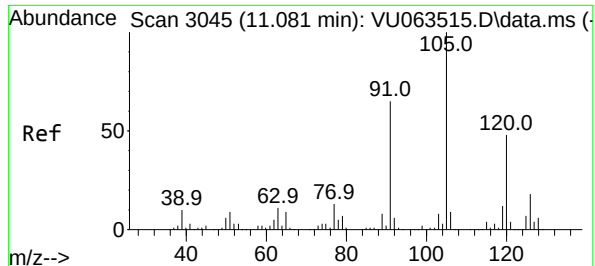
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#74
2-Chlorotoluene
Concen: 0.454 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion:126 Resp: 3528
Ion Ratio Lower Upper
126 100
91 295.8 0.0 606.0





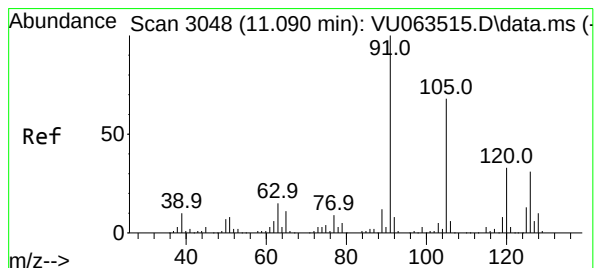
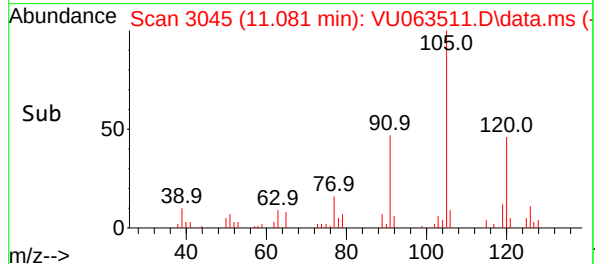
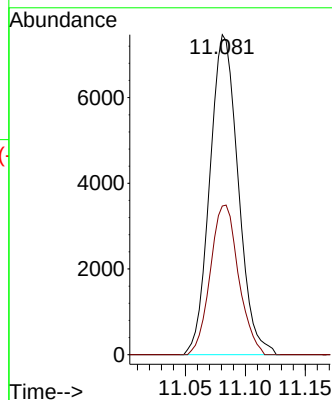
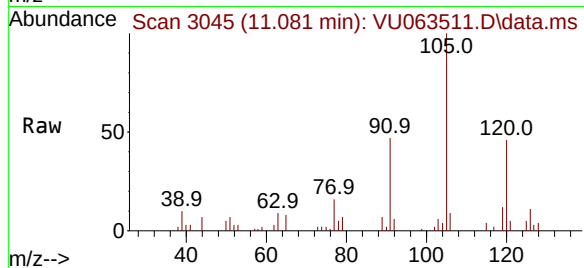
#75
1,3,5-Trimethylbenzene
Concen: 0.441 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 1228
Ion Ratio Lower Upper
105 100
120 46.5 37.8 56.8

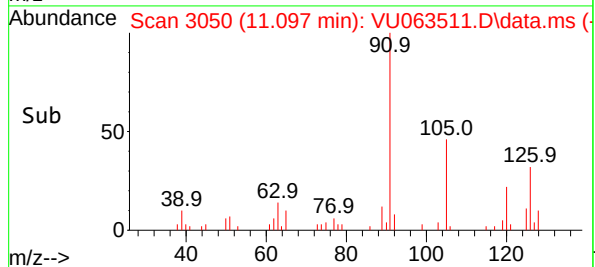
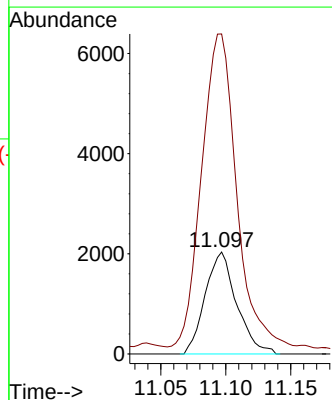
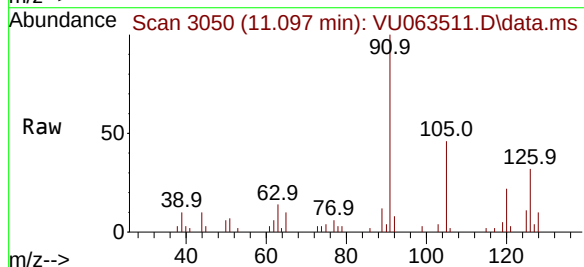
Manual Integrations
APPROVED

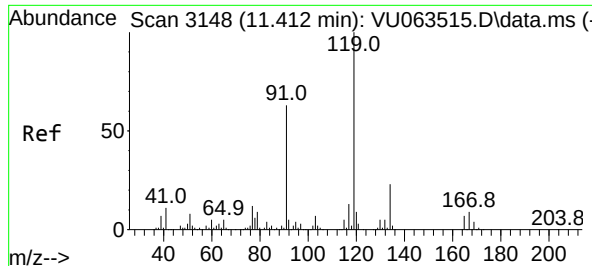
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#76
4-Chlorotoluene
Concen: 0.434 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.007 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion:126 Resp: 3423
Ion Ratio Lower Upper
126 100
91 339.4 0.0 682.2





#77

tert-Butylbenzene

Concen: 0.455 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

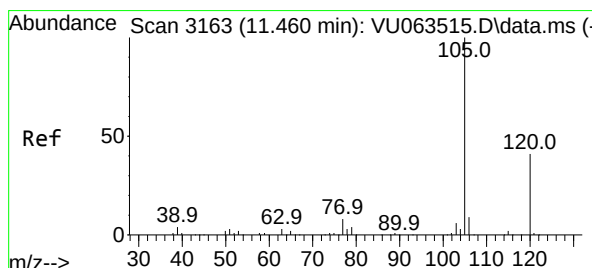
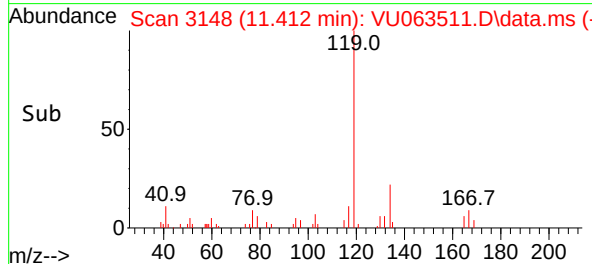
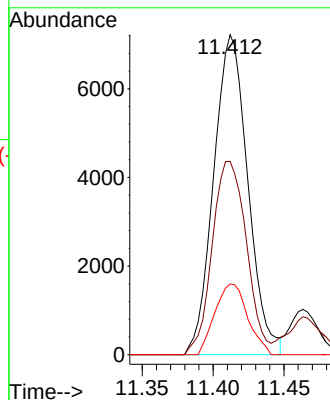
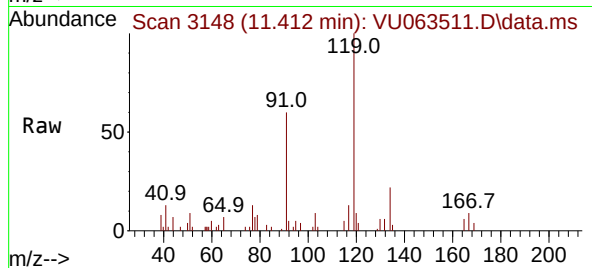
ClientSampleId :

VSTDIC0.5

Tgt Ion:	119	Resp:	12124
Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.7	92.1
134	21.1	18.5	27.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 0.438 ug/l

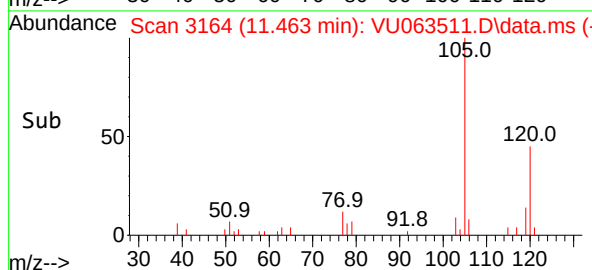
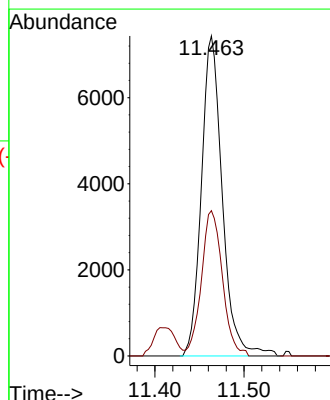
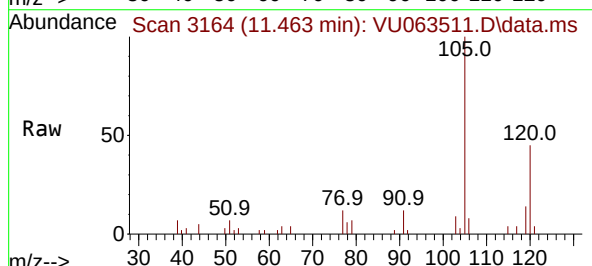
RT: 11.463 min Scan# 3164

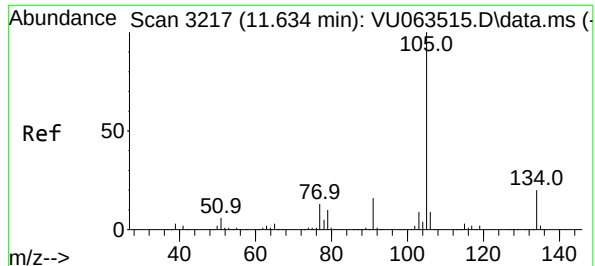
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	105	Resp:	12110
Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.0





#79

sec-Butylbenzene

Concen: 0.434 ug/l

RT: 11.637 min Scan# 3217

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 15578

Ion Ratio Lower Upper

105 100

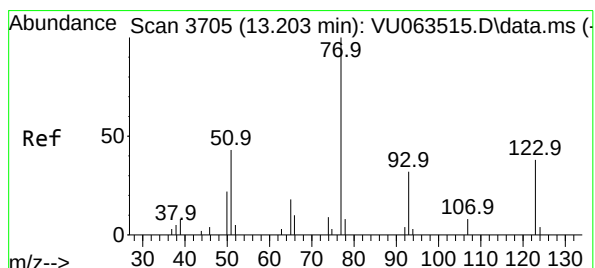
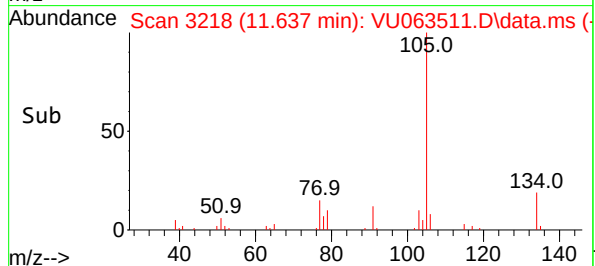
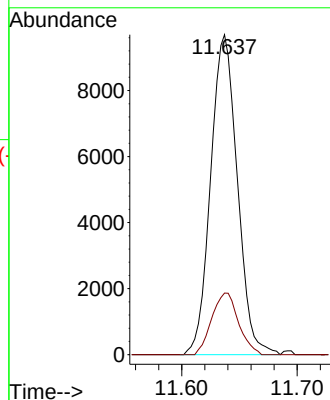
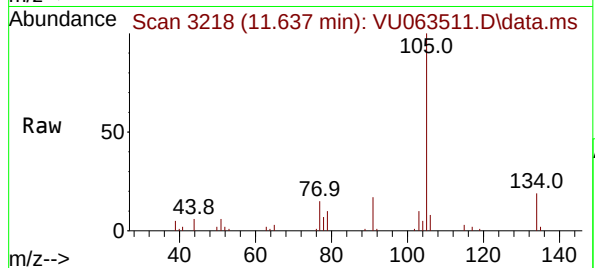
134 19.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 2.628 ug/l

RT: 13.229 min Scan# 3713

Delta R.T. 0.026 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

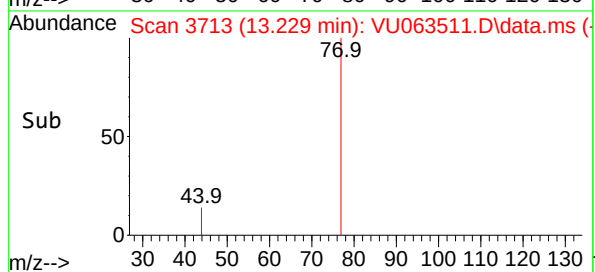
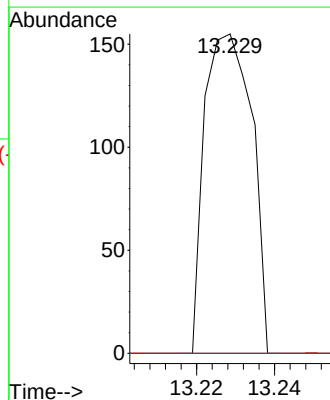
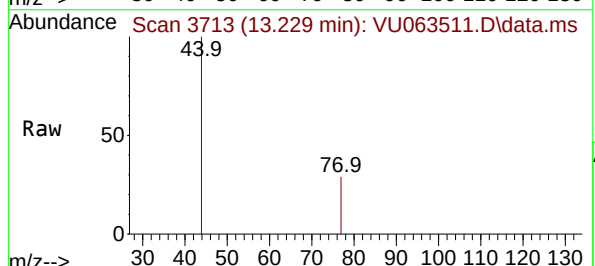
Tgt Ion: 77 Resp: 131

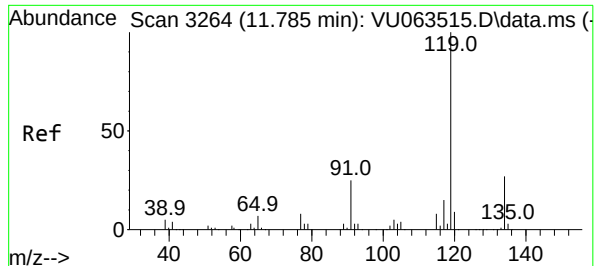
Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.7#

65 0.0 16.5 20.9#





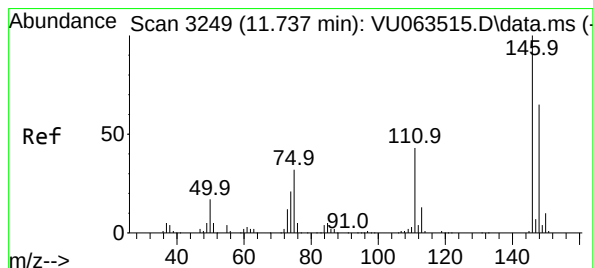
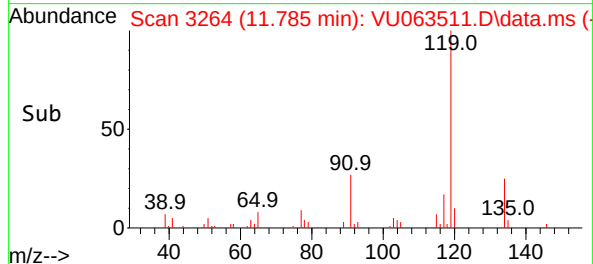
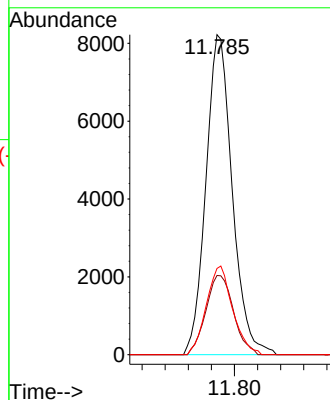
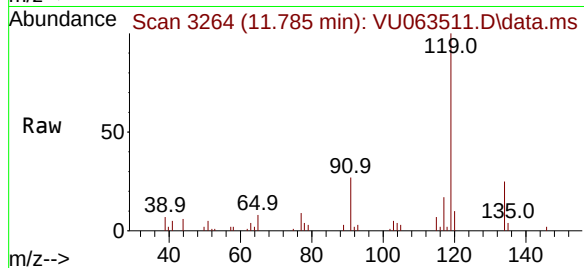
#81
p-Isopropyltoluene
Concen: 0.433 ug/l
RT: 11.785 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.1	31.7
91	27.6	19.8	29.8

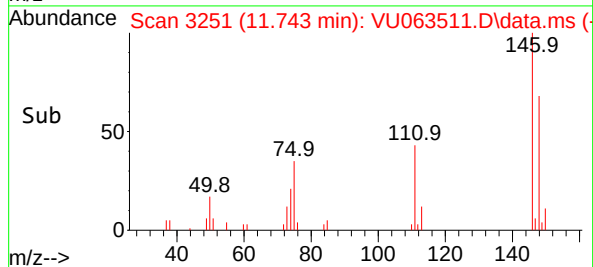
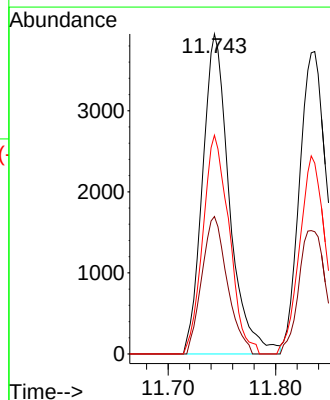
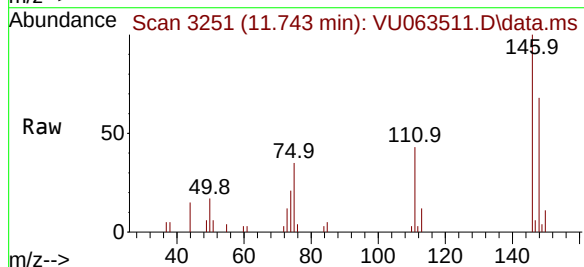
Manual Integrations
APPROVED

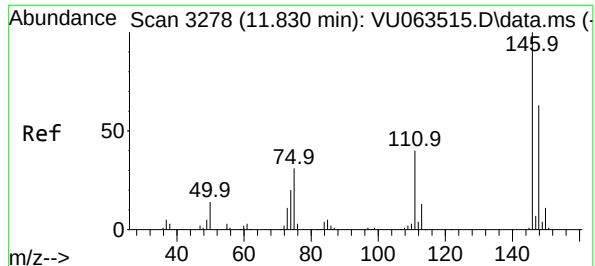
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#82
1,3-Dichlorobenzene
Concen: 0.455 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.007 min
Lab File: VU063511.D
Acq: 16 Jul 2025 09:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.8	50.6
148	66.7	51.5	77.3





#83

1,4-Dichlorobenzene

Concen: 0.432 ug/l

RT: 11.836 min Scan# 3278

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:146 Resp: 6510

Ion Ratio Lower Upper

146 100

111 42.7 32.0 48.0

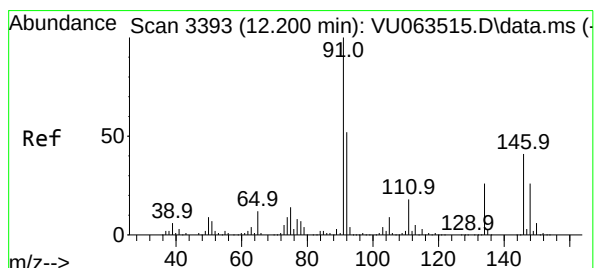
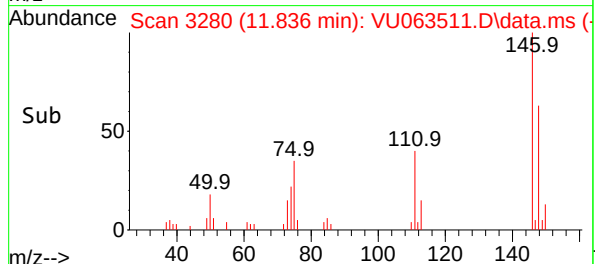
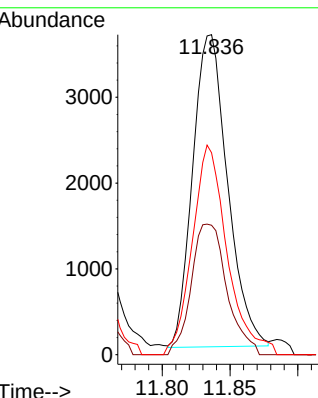
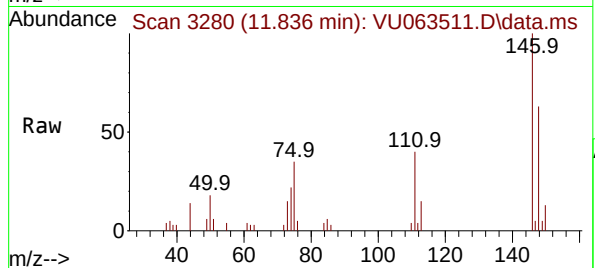
148 67.1 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 0.427 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.006 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

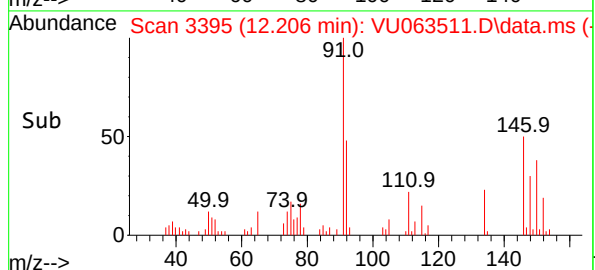
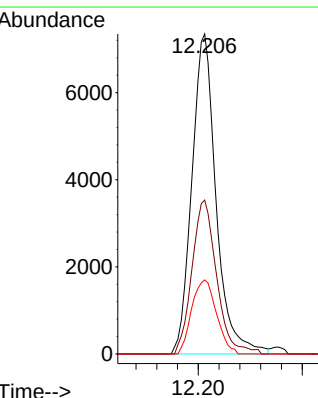
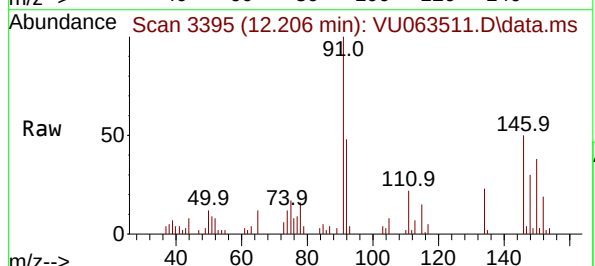
Tgt Ion: 91 Resp: 11864

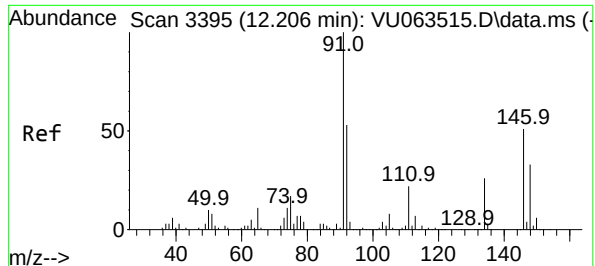
Ion Ratio Lower Upper

91 100

92 49.0 41.5 62.3

134 23.6 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 0.452 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

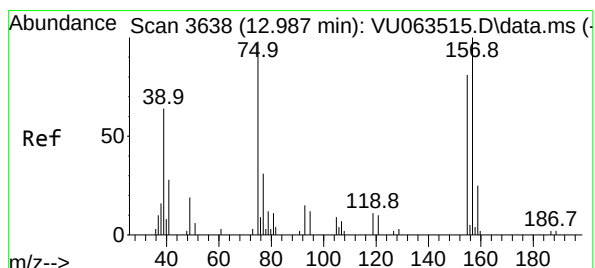
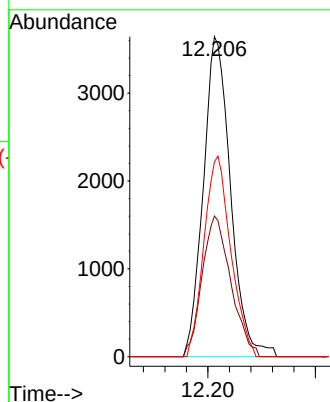
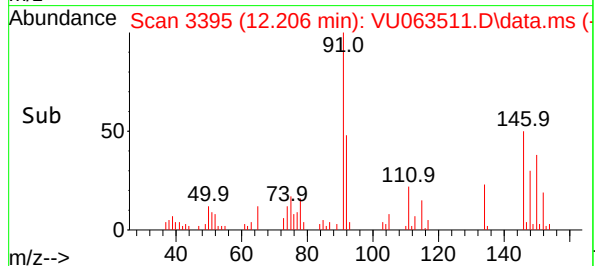
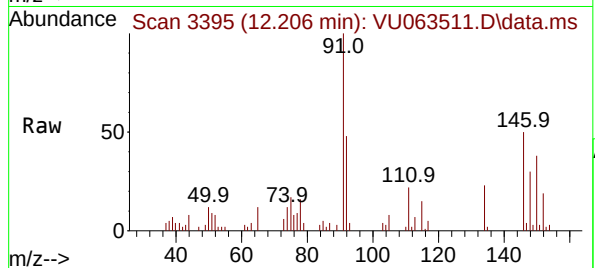
VSTDIC0.5

Tgt Ion:	146	Resp:	640
Ion Ratio	Lower	Upper	
146	100		
111	46.3	21.7	65.1
148	61.8	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.533 ug/l

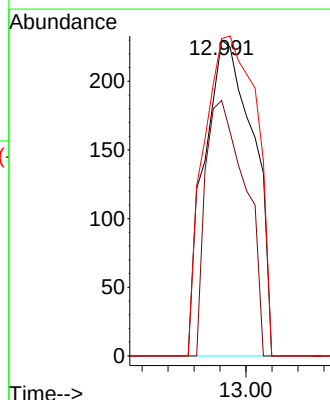
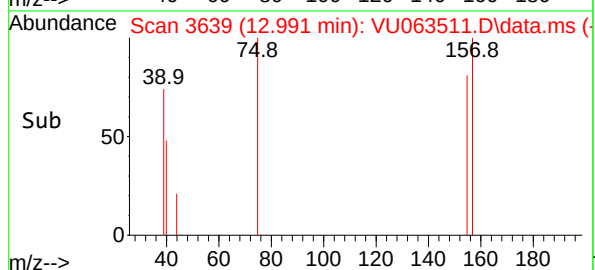
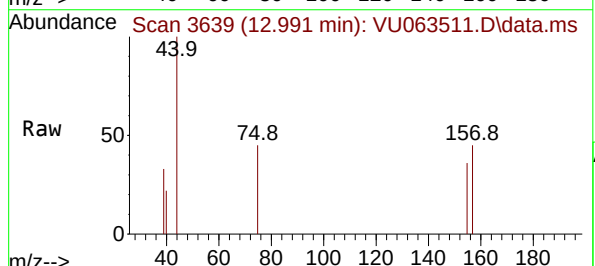
RT: 12.991 min Scan# 3639

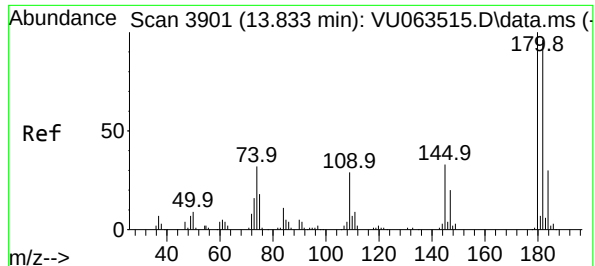
Delta R.T. 0.004 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	75	Resp:	302
Ion Ratio	Lower	Upper	
75	100		
155	65.9	65.8	98.6
157	108.6	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 0.439 ug/l

RT: 13.843 min Scan# 3901

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

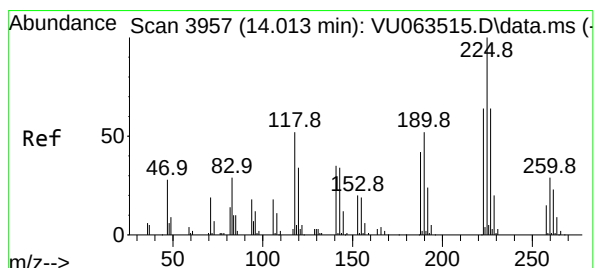
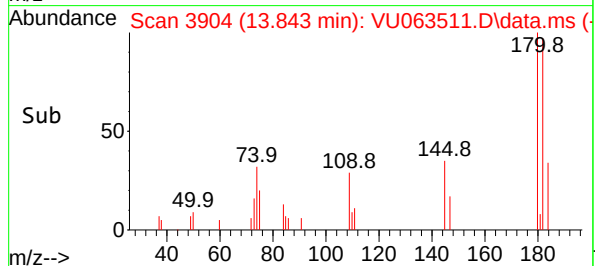
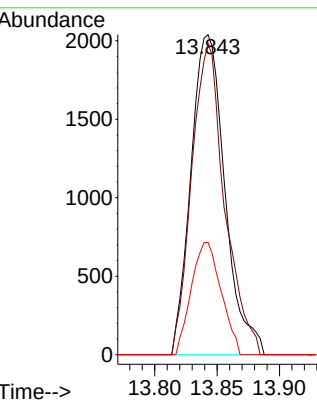
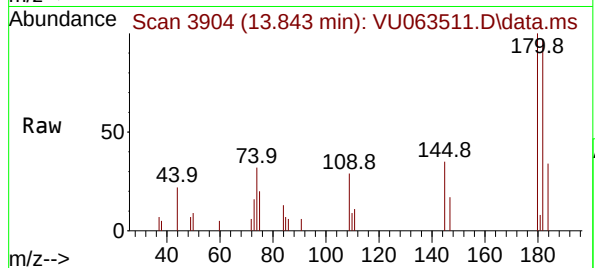
Tgt Ion:	180	Resp:	386
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.2	114.4
145	30.8	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 0.456 ug/l

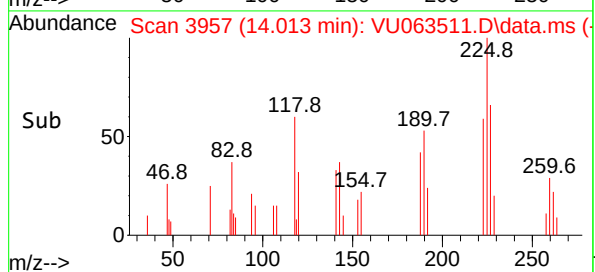
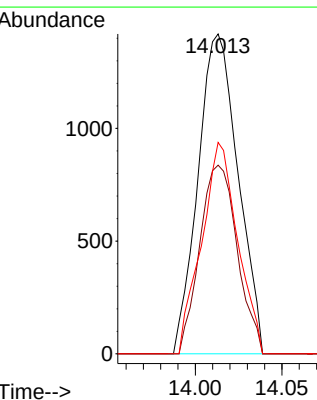
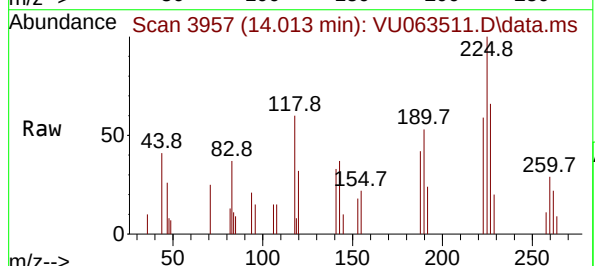
RT: 14.013 min Scan# 3957

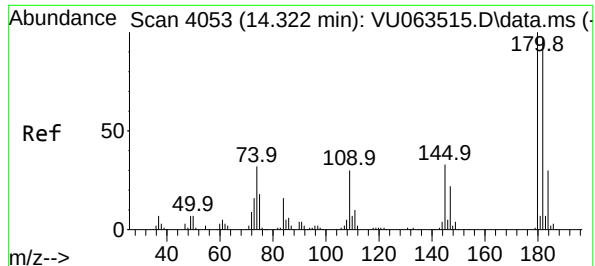
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:	225	Resp:	2280
Ion Ratio	Lower	Upper	
225	100		
223	55.3	50.8	76.2
227	59.5	51.0	76.6





#90

1,2,3-Trichlorobenzene

Concen: 0.420 ug/l

RT: 14.331 min Scan# 40

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 342

Ion Ratio Lower Upper

180 100

182 98.9 78.0 117.0

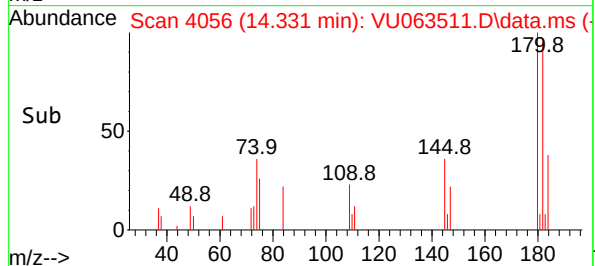
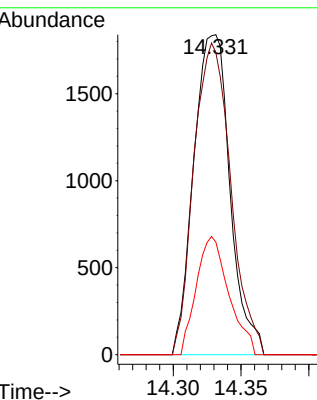
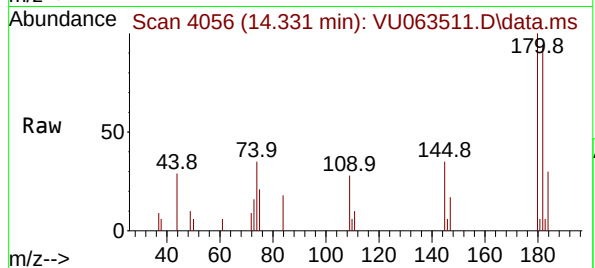
145 33.1 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063512.D
 Acq On : 16 Jul 2025 09:54
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:22:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	22455	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9200	1.082	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8165	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6462	0.976	ug/l	96
3) Chloromethane	1.518	50	6530	1.061	ug/l	98
4) Vinyl Chloride	1.599	62	7920	1.010	ug/l	100
5) Bromomethane	1.846	94	6488	1.098	ug/l	95
6) Chloroethane	1.927	64	4751	1.004	ug/l	98
7) Trichlorofluoromethane	2.129	101	11403	1.013	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5996	1.019	ug/l	99
9) 1,1-Dichloroethene	2.567	96	5877	1.008	ug/l	95
10) Iodomethane	2.708	142	5353	1.474	ug/l	98
11) Allyl Chloride	2.911	41	8367	0.993	ug/l	94
12) Acrylonitrile	3.306	53	3107	2.130	ug/l	95
13) Acetone	2.618	43	5459	4.673	ug/l	99
14) Carbon Disulfide	2.779	76	19044	1.011	ug/l	98
15) Methylene Chloride	3.030	84	7367	1.073	ug/l	91
16) trans-1,2-Dichloroethene	3.335	96	6995	1.056	ug/l	86
17) 1,1-Dichloroethane	3.849	63	12773	1.041	ug/l	99
18) 2-Butanone	4.714	43	9101	5.031	ug/l	99
19) Cyclohexane	5.354	56	11111	1.069	ug/l	99
20) Methylcyclohexane	6.743	83	9890	0.979	ug/l	98
21) 2,2-Dichloropropane	4.644	77	10936	1.047	ug/l	97
22) cis-1,2-Dichloroethene	4.644	96	7782	1.083	ug/l	96
23) Diethyl Ether	2.370	59	4538	1.022	ug/l	# 89
24) tert-Butyl Alcohol	3.190	59	5615	10.471	ug/l	95
25) Methyl tert-Butyl Ether	3.361	73	15721	1.033	ug/l	96
26) Bromochloromethane	4.959	128	2951	0.984	ug/l	95
27) Chloroform	5.071	83	13121	1.048	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	10709	1.008	ug/l	98
29) 1,1-Dichloropropene	5.502	75	10221	1.038	ug/l	99
30) Carbon Tetrachloride	5.496	117	8599	1.005	ug/l	99
31) Isopropyl Ether	3.994	45	19202	1.037	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	17970	1.048	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	13496	0.907	ug/l	98
34) Propionitrile	4.779	54	2874	5.214	ug/l	# 97
35) Benzene	5.756	78	22692	0.858	ug/l	99
36) 1,2-Dichloroethane	5.782	62	7451	0.906	ug/l	# 85
37) Trichloroethene	6.528	130	6347	0.940	ug/l	99
38) 1,2-Dichloropropane	6.782	63	5862	0.947	ug/l	98
39) Methacrylonitrile	4.972	41	2368	0.979	ug/l	89
40) Methyl acrylate	4.843	55	3610	1.008	ug/l	# 85
41) Tetrahydrofuran	5.065	42	2432	1.887	ug/l	93
42) 1-Chlorobutane	5.435	56	12913	0.987	ug/l	99
43) Dibromomethane	6.910	93	3011	0.939	ug/l	94
44) Bromodichloromethane	7.097	83	6824	0.943	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063512.D
 Acq On : 16 Jul 2025 09:54
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 17 03:22:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	16478	4.985	ug/l	96
46) t-1,4-Dichloro-2-butene	10.823	75	2681m	2.286	ug/l	
47) Methyl methacrylate	6.968	69	4791	1.779	ug/l	97
48) Ethyl methacrylate	8.338	69	4500	0.875	ug/l	84
49) Toluene	7.962	92	14592	1.010	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	5194	0.915	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	6989	0.918	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	4414	1.022	ug/l	94
53) 1,3-Dichloropropane	8.569	76	7339	0.985	ug/l	100
54) 2-Hexanone	8.695	43	10847	4.940	ug/l	93
55) Dibromochloromethane	8.804	129	4122	0.903	ug/l	97
56) 1,2-Dibromoethane	8.920	107	3787	0.980	ug/l	99
58) Tetrachloroethene	8.541	164	6276	1.016	ug/l	97
59) Chlorobenzene	9.441	112	16495	0.994	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	5306	0.995	ug/l	98
61) Pentachloroethane	11.418	117	3370	0.894	ug/l	98
62) Hexachloroethane	12.466	117	3268	0.875	ug/l	97
63) Ethyl Benzene	9.563	91	28308	0.992	ug/l	98
64) m/p-Xylenes	9.688	106	21130	1.904	ug/l	97
65) o-Xylene	10.094	106	10385	0.974	ug/l	97
66) Styrene	10.110	104	16060	0.945	ug/l	98
67) Bromoform	10.286	173	1899	0.810	ug/l #	94
69) Isopropylbenzene	10.476	105	25098	0.974	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	5141	0.978	ug/l #	98
71) 1,2,3-Trichloropropane	10.817	75	4435m	1.034	ug/l	
72) Bromobenzene	10.778	156	6362	0.956	ug/l	96
73) n-propylbenzene	10.901	120	7341	0.946	ug/l	96
74) 2-Chlorotoluene	10.978	126	6695	0.976	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	23269	0.945	ug/l	99
76) 4-Chlorotoluene	11.094	126	6734	0.967	ug/l	99
77) tert-Butylbenzene	11.412	119	22171	0.942	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	23102	0.946	ug/l	100
79) sec-Butylbenzene	11.637	105	30908	0.974	ug/l	98
80) Nitrobenzene	13.232	77	400m	5.705	ug/l	
81) p-Isopropyltoluene	11.785	119	24799	0.936	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	12830	0.964	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	12848	0.964	ug/l	97
84) n-Butylbenzene	12.203	91	22541	0.917	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	12071	0.965	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	603	0.991	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	7020	0.903	ug/l	98
88) Hexachlorobutadiene	14.013	225	4144	0.938	ug/l	98
89) Naphthalene	14.087	128	11965	0.859	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	6612	0.920	ug/l	99

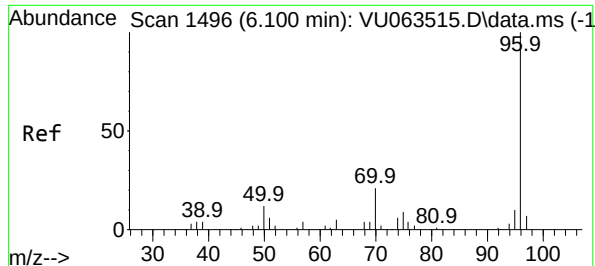
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

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Supervised By :Semsettin Yesilyurt 07/17/2025





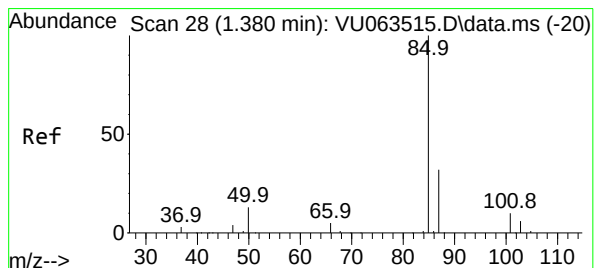
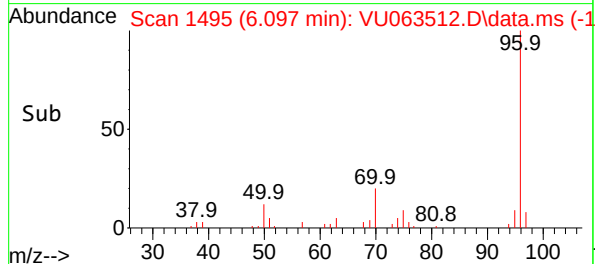
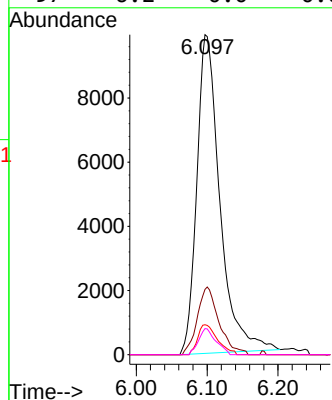
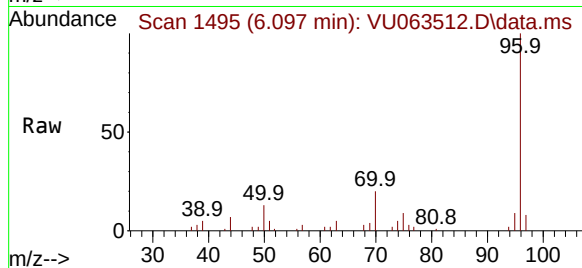
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2245
Ion Ratio Lower Upper
96 100
70 20.0 15.0 22.4
95 8.0 7.4 11.0
97 6.2 0.0 0.0#

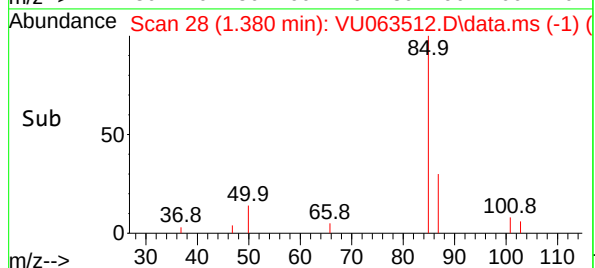
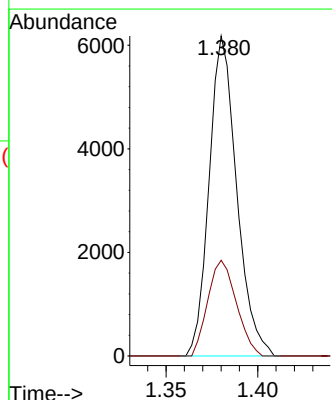
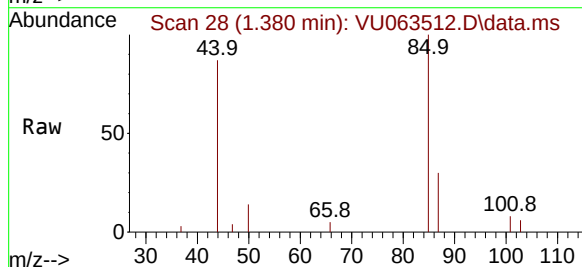
Manual Integrations
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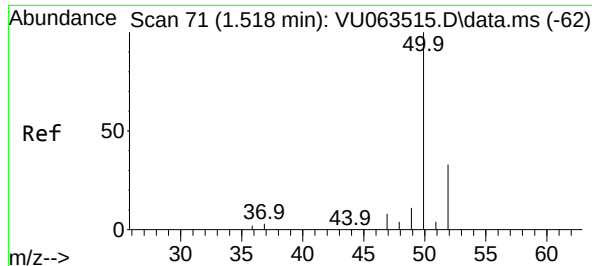
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 0.976 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 85 Resp: 6462
Ion Ratio Lower Upper
85 100
87 29.9 16.0 47.9





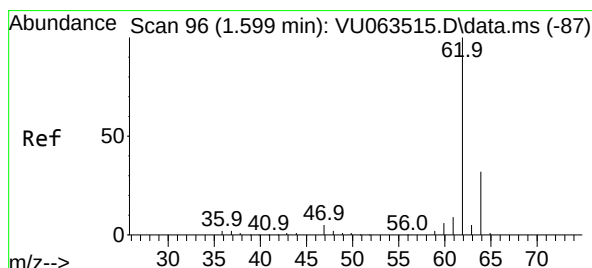
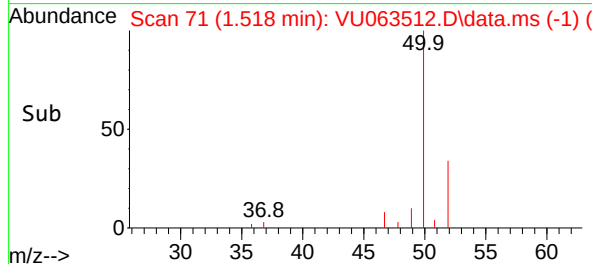
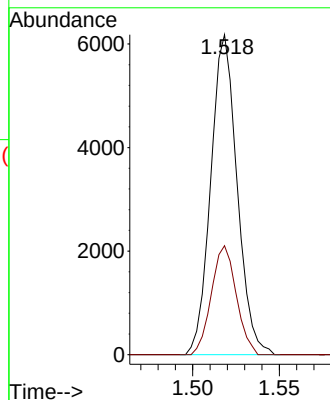
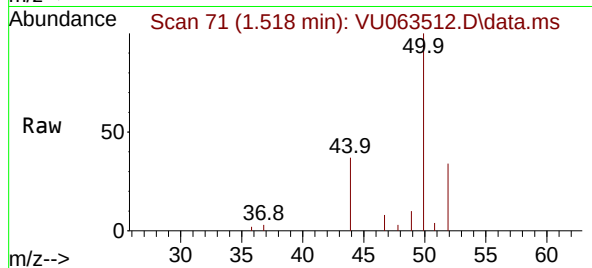
#3
Chloromethane
Concen: 1.061 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 6530
Ion Ratio Lower Upper
50 100
52 34.1 26.3 39.5

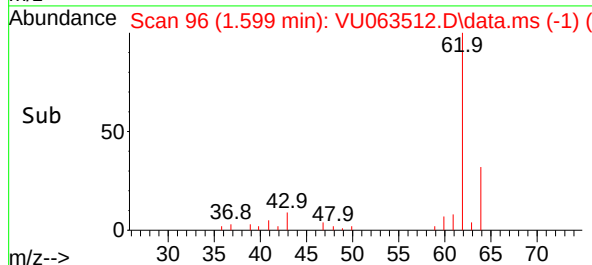
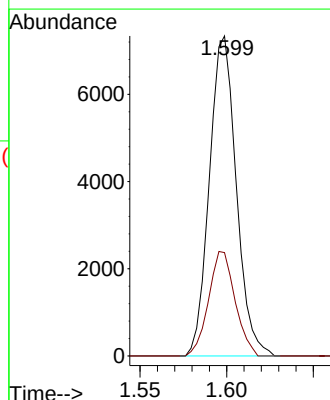
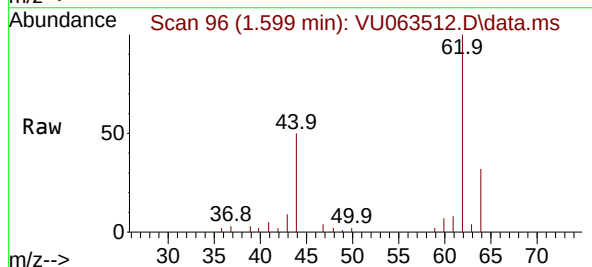
Manual Integrations
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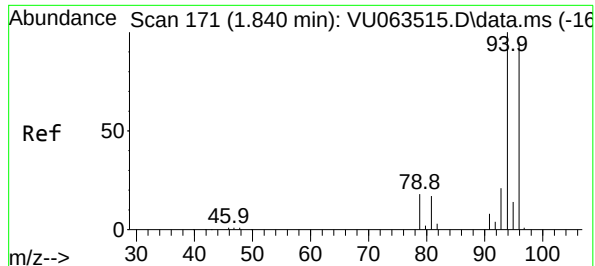
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 1.010 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 62 Resp: 7920
Ion Ratio Lower Upper
62 100
64 32.3 25.7 38.5





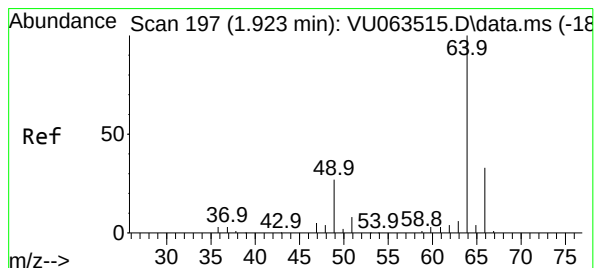
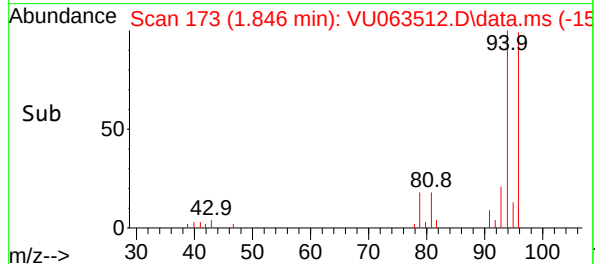
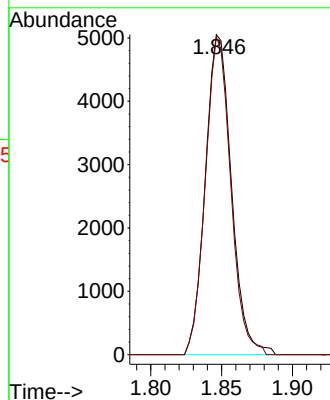
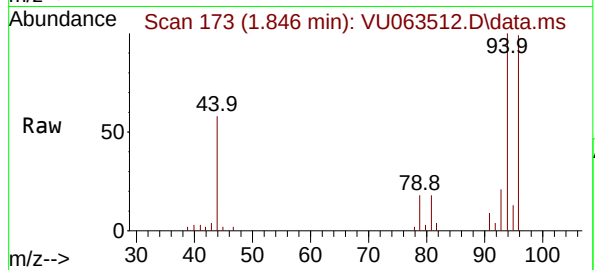
#5
Bromomethane
Concen: 1.098 ug/l
RT: 1.846 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 6488
Ion Ratio Lower Upper
94 100
96 99.2 75.8 113.6

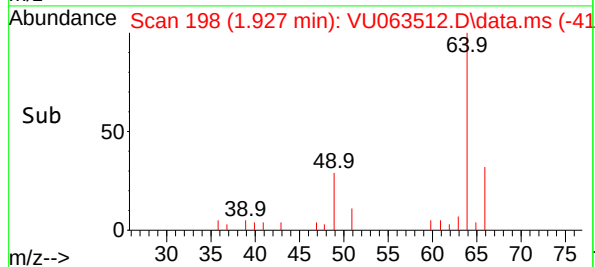
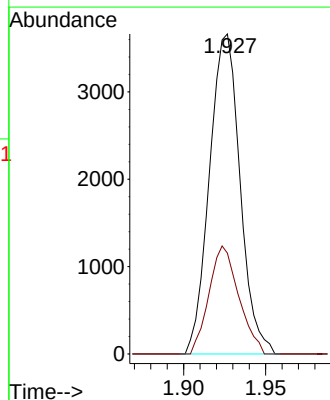
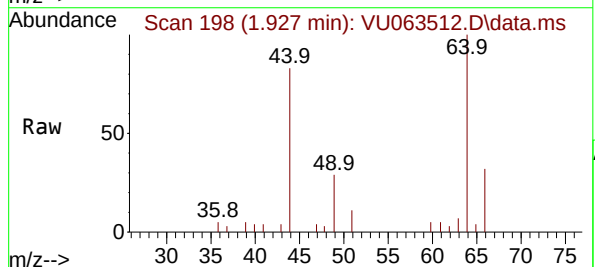
Manual Integrations
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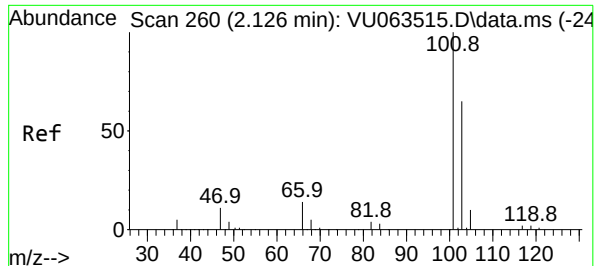
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#6
Chloroethane
Concen: 1.004 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

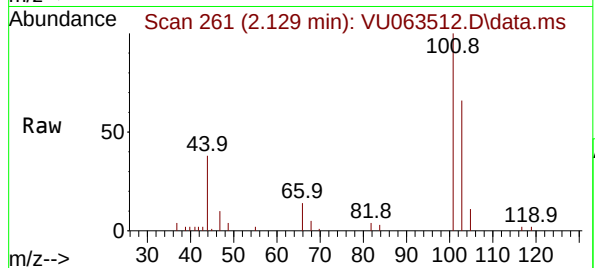
Tgt Ion: 64 Resp: 4751
Ion Ratio Lower Upper
64 100
66 31.5 26.2 39.4





#7
Trichlorofluoromethane
Concen: 1.013 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

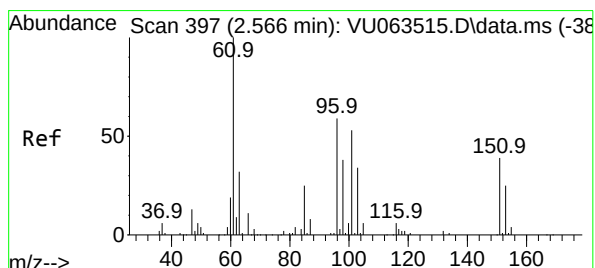
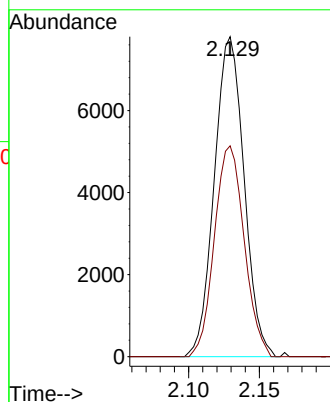
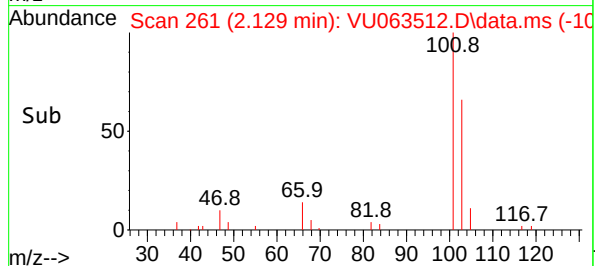
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



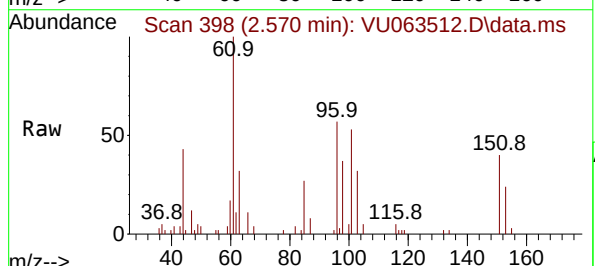
Tgt Ion:101 Resp: 1140
Ion Ratio Lower Upper
101 100
103 65.9 52.2 78.4

Manual Integrations
APPROVED

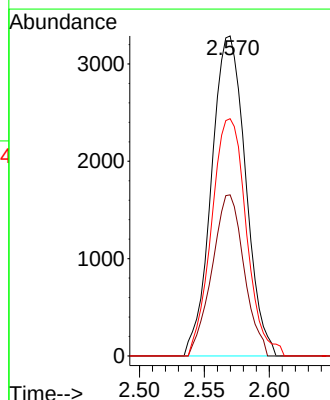
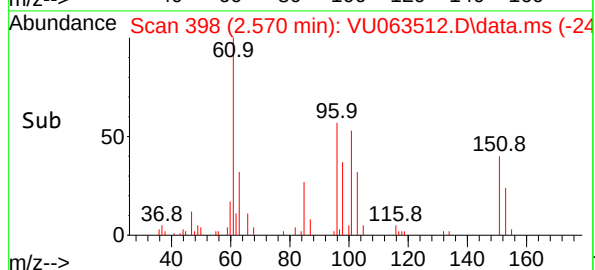
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

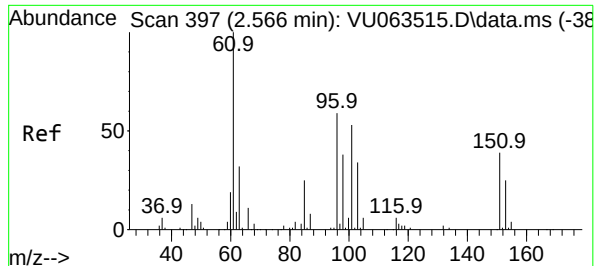


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.019 ug/l
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54



Tgt Ion:101 Resp: 5996
Ion Ratio Lower Upper
101 100
85 47.3 37.8 56.6
151 75.6 59.2 88.8





#9

1,1-Dichloroethene

Concen: 1.008 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

Client Sample Id :

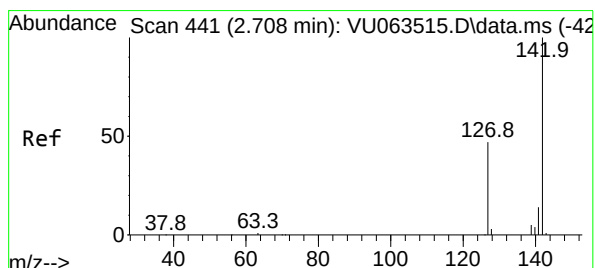
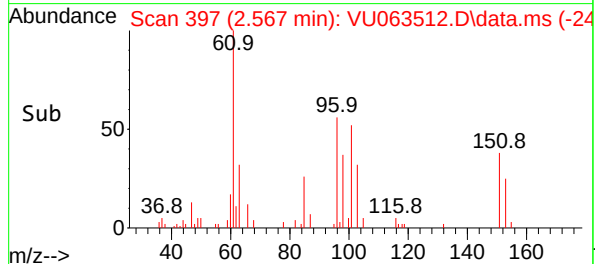
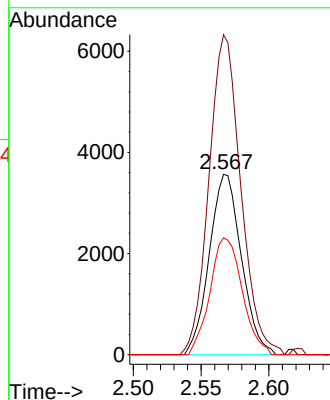
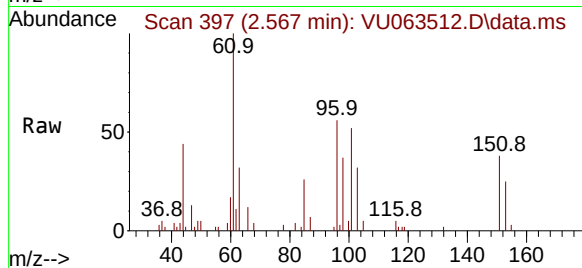
VSTDIC001

Tgt Ion:	96	Resp:	587
Ion	Ratio	Lower	Upper
96	100		
61	177.4	0.0	504.3
98	64.8	0.0	126.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 1.474 ug/l

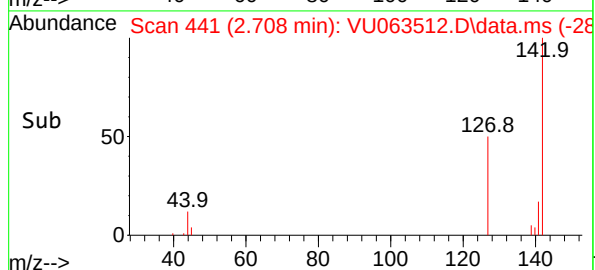
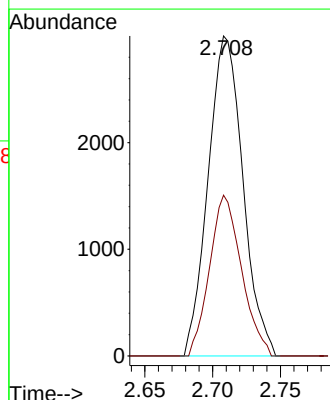
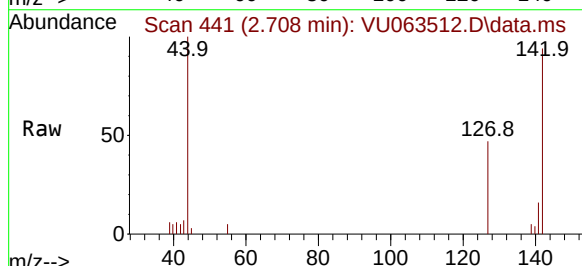
RT: 2.708 min Scan# 441

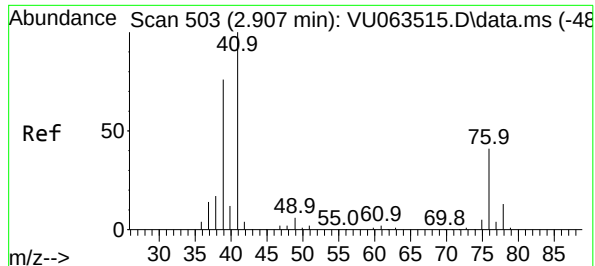
Delta R.T. -0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	142	Resp:	5353
Ion	Ratio	Lower	Upper
142	100		
127	46.2	37.9	56.9





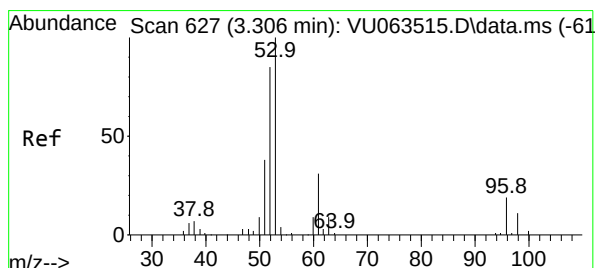
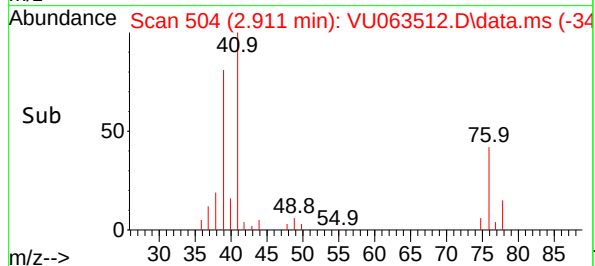
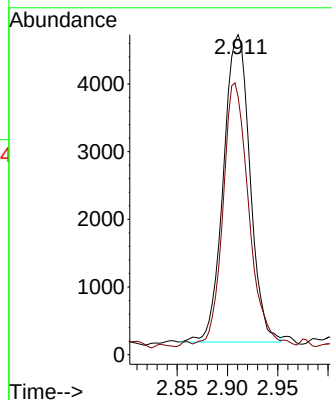
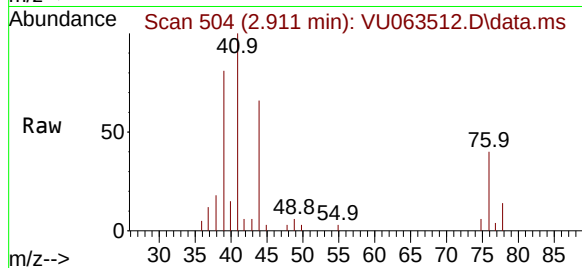
#11
Allyl Chloride
Concen: 0.993 ug/l
RT: 2.911 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
Client Sample Id :
VSTDIC001

Tgt Ion: 41 Resp: 836
Ion Ratio Lower Upper
41 100
39 82.2 61.5 92.3

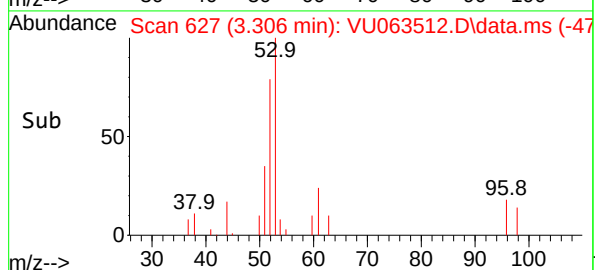
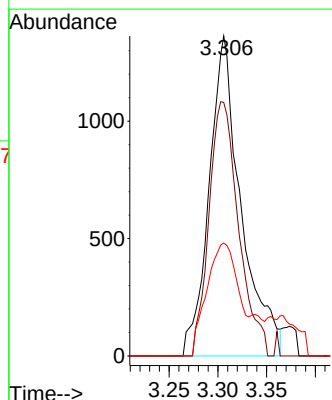
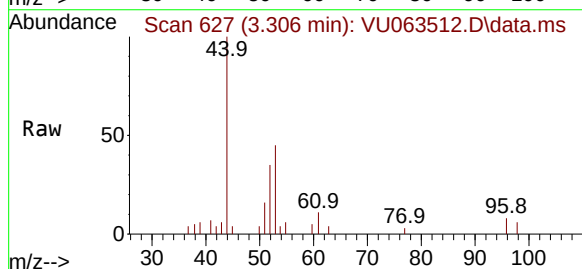
Manual Integrations
APPROVED

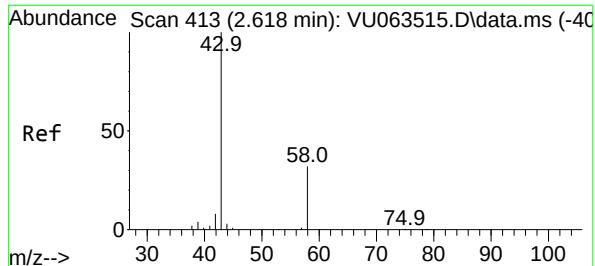
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#12
Acrylonitrile
Concen: 2.130 ug/l
RT: 3.306 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 53 Resp: 3107
Ion Ratio Lower Upper
53 100
52 73.7 64.3 96.5
51 35.1 27.8 41.8





#13

Acetone

Concen: 4.673 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 31.3 25.4 38.0

Instrument :

MSVOA_U

ClientSampleId :

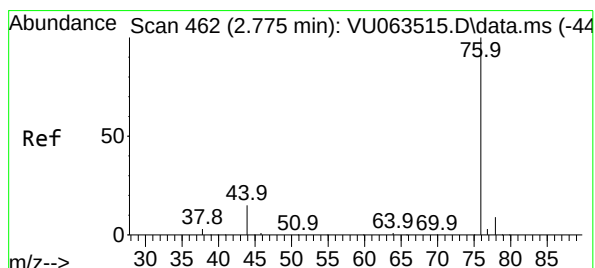
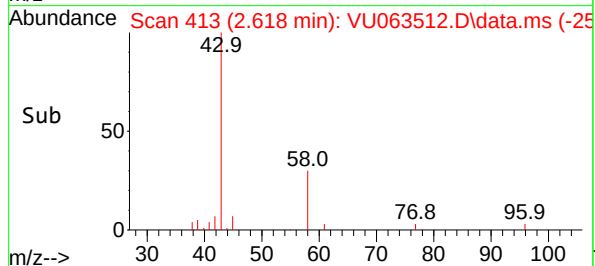
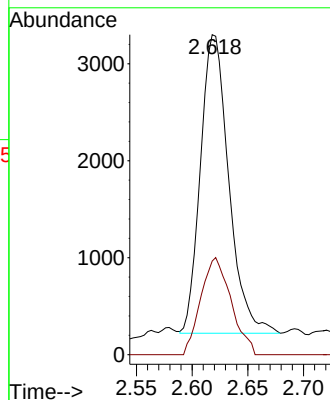
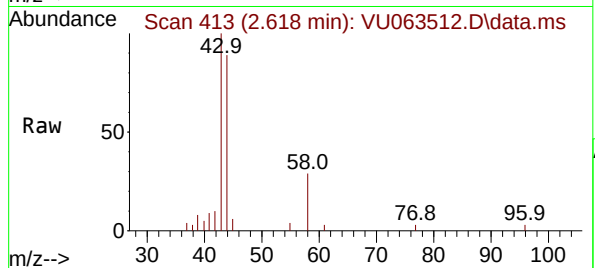
VSTDICC001

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 1.011 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063512.D

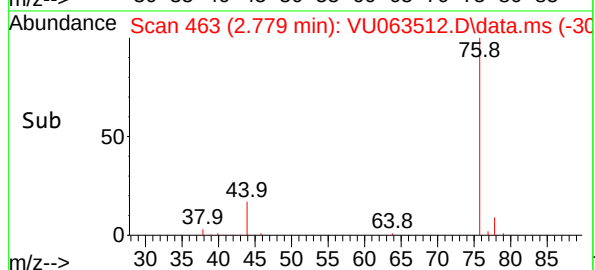
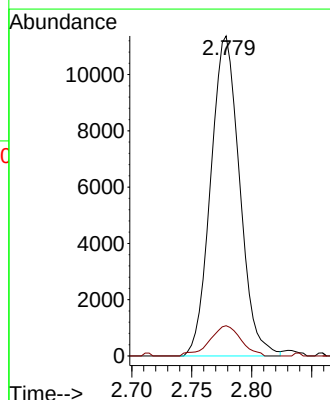
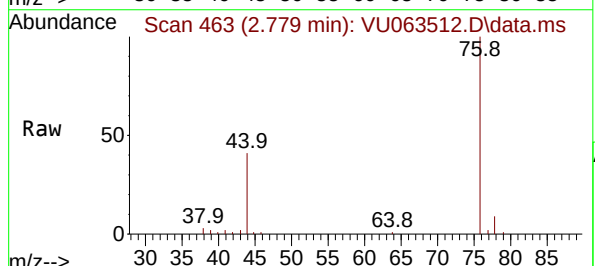
Acq: 16 Jul 2025 09:54

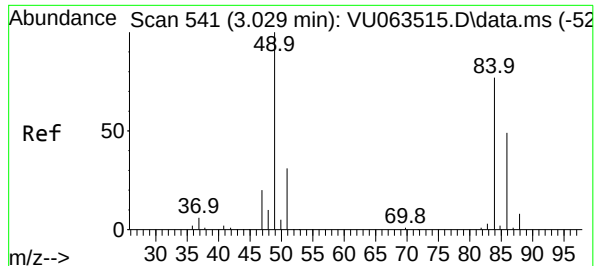
Tgt Ion: 76 Resp: 19044

Ion Ratio Lower Upper

76 100

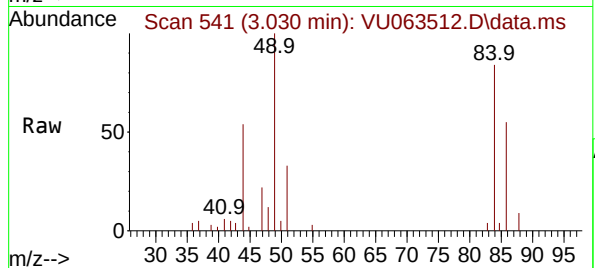
78 9.4 7.0 10.6





#15
Methylene Chloride
Concen: 1.073 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

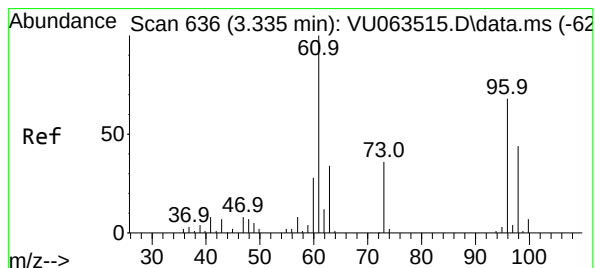
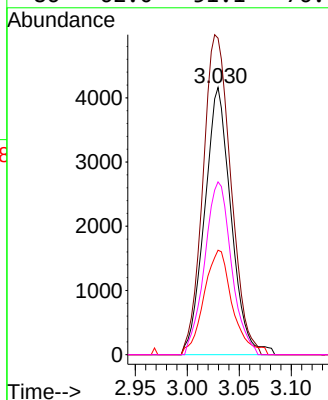
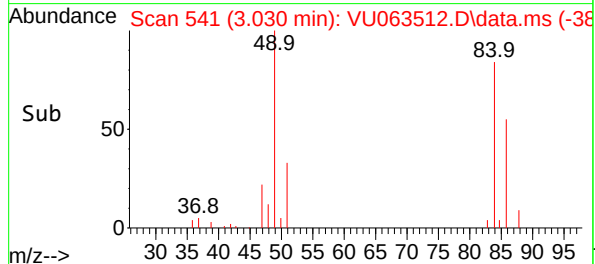
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



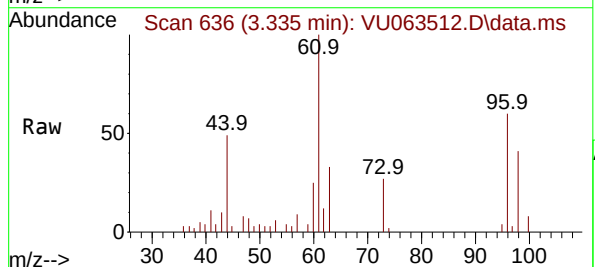
Tgt Ion: 84 Resp: 736
Ion Ratio Lower Upper
84 100
49 113.7 103.8 155.8
51 37.5 0.0 80.4
86 62.0 51.1 76.7

Manual Integrations
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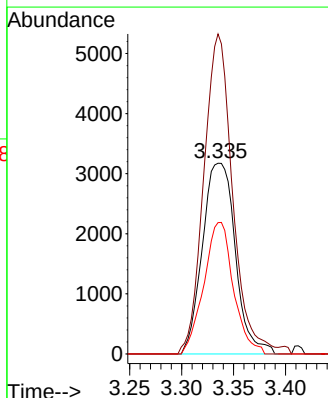
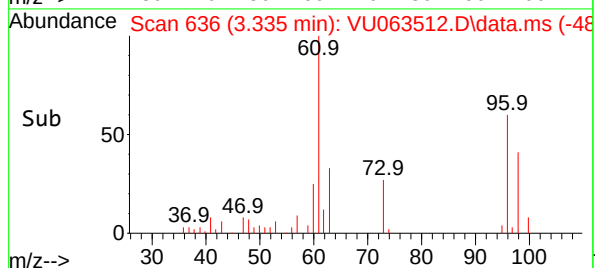
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

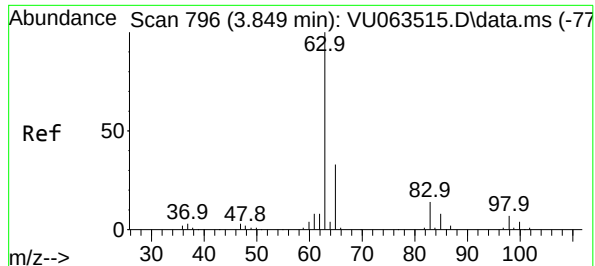


#16
trans-1,2-Dichloroethene
Concen: 1.056 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54



Tgt Ion: 96 Resp: 6995
Ion Ratio Lower Upper
96 100
61 167.9 117.2 175.8
98 68.9 51.4 77.2





#17

1,1-Dichloroethane

Concen: 1.041 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

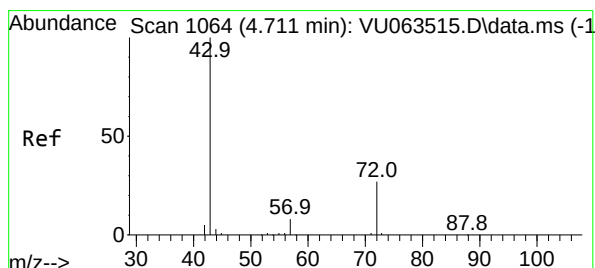
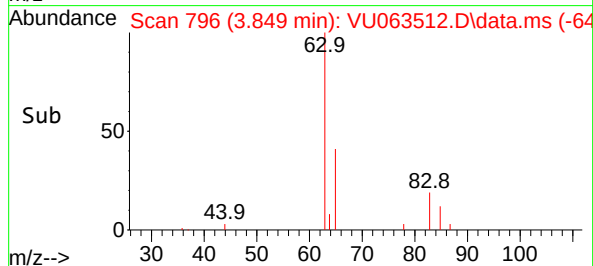
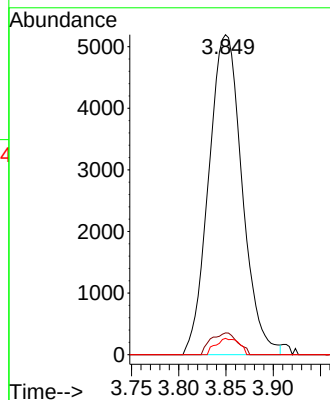
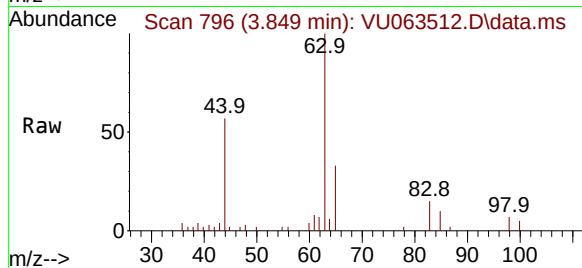
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	1277
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	5.1	2.1	6.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#18

2-Butanone

Concen: 5.031 ug/l

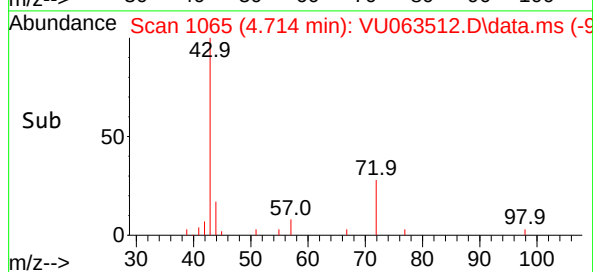
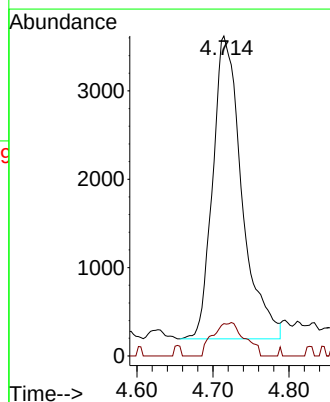
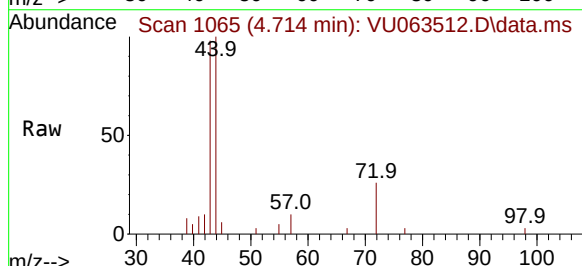
RT: 4.714 min Scan# 1065

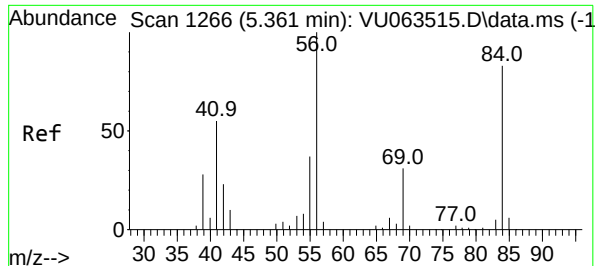
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	43	Resp:	9101
Ion Ratio	Lower	Upper	
43	100		
57	7.7	0.0	16.4





#19

Cyclohexane

Concen: 1.069 ug/l

RT: 5.354 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

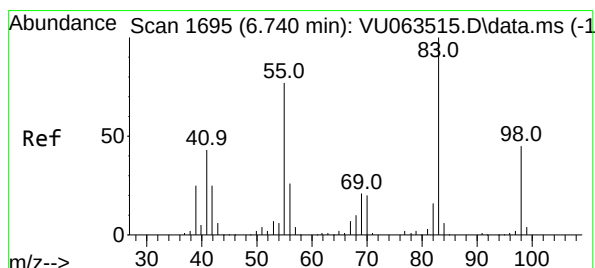
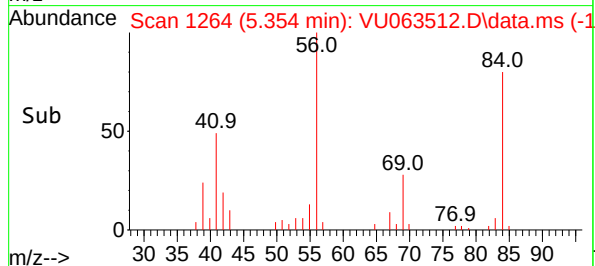
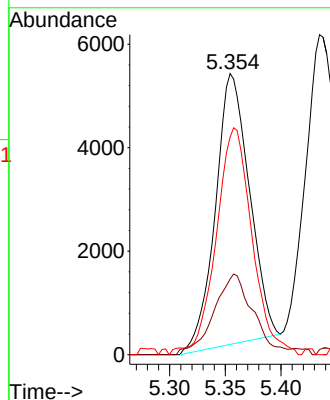
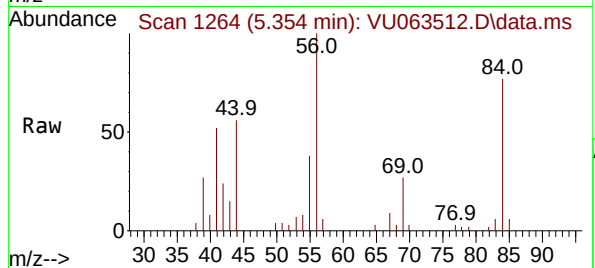
ClientSampleId :

VSTDIC001

Tgt Ion:	56	Resp:	1111
Ion	Ratio	Lower	Upper
56	100		
69	31.3	26.6	39.8
84	88.5	71.0	106.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 0.979 ug/l

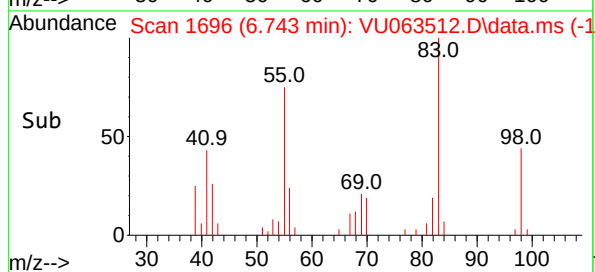
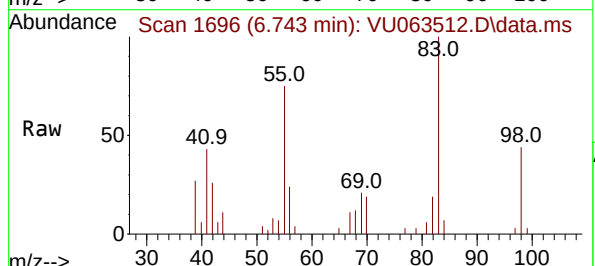
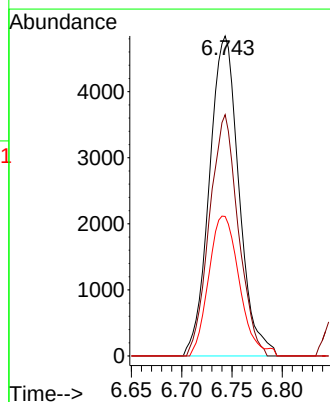
RT: 6.743 min Scan# 1696

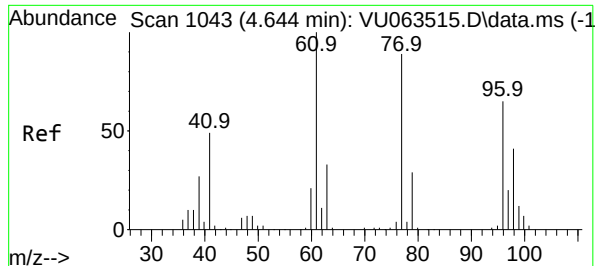
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	83	Resp:	9890
Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	90.8
98	45.4	35.8	53.8





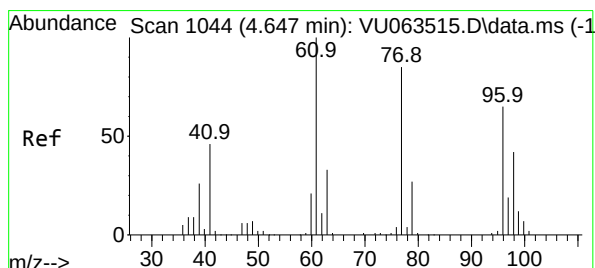
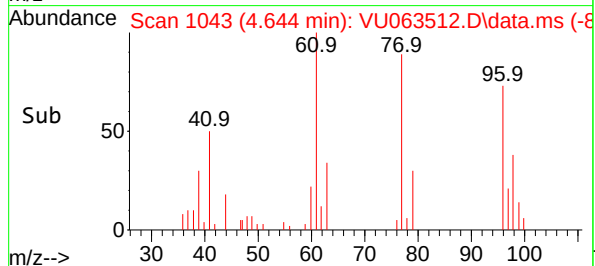
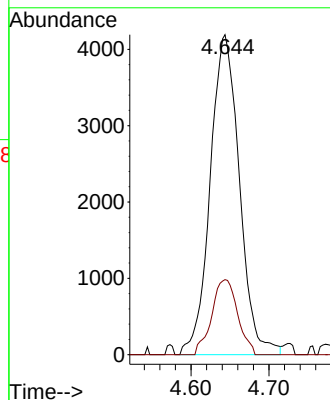
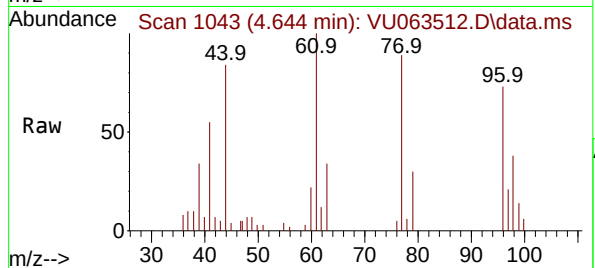
#21
2,2-Dichloropropane
Concen: 1.047 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 77 Resp: 10930
Ion Ratio Lower Upper
77 100
97 20.7 17.8 26.8

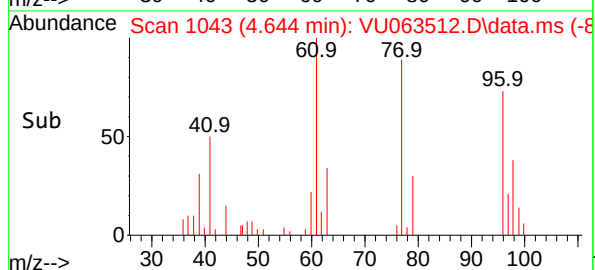
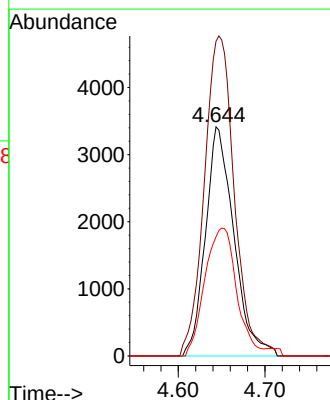
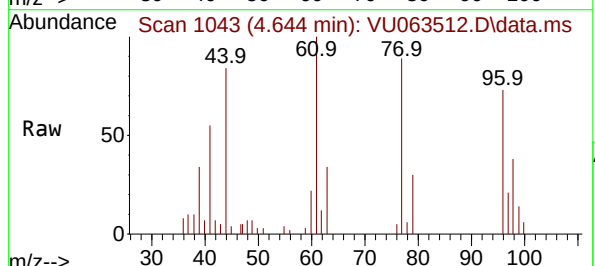
Manual Integrations
APPROVED

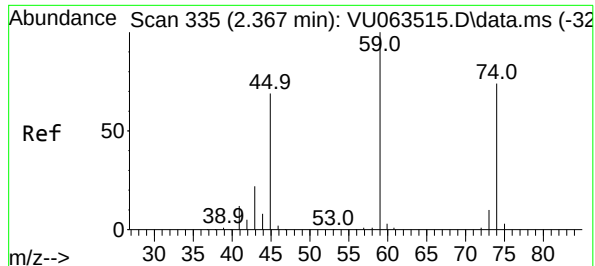
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#22
cis-1,2-Dichloroethene
Concen: 1.083 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 96 Resp: 7782
Ion Ratio Lower Upper
96 100
61 147.2 0.0 384.7
98 62.3 32.1 96.3





#23

Diethyl Ether

Concen: 1.022 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

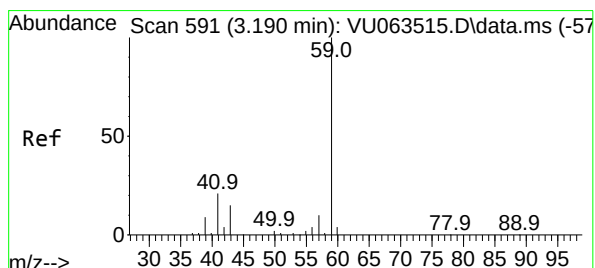
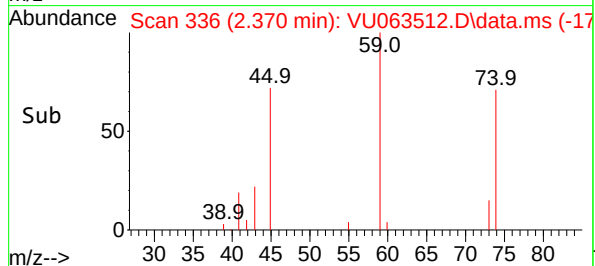
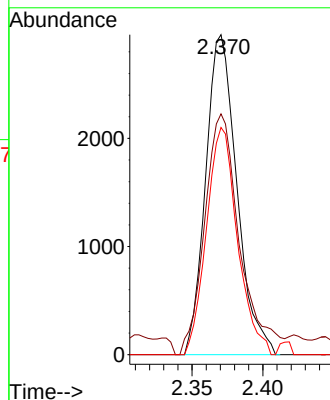
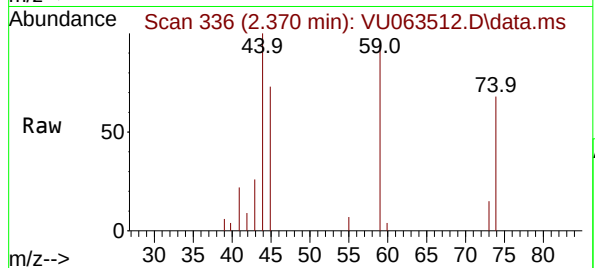
ClientSampleId :

VSTDIC001

Tgt Ion: 59	Resp: 4538
Ion Ratio	Lower Upper
59	100
45	84.9 55.1 82.7
74	70.6 58.2 87.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 10.471 ug/l

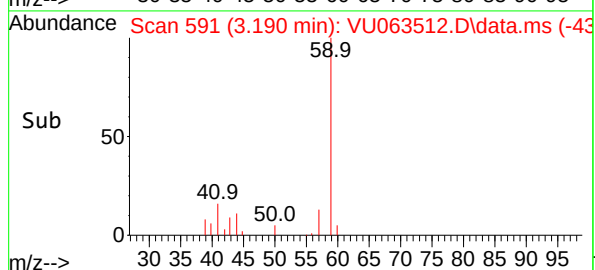
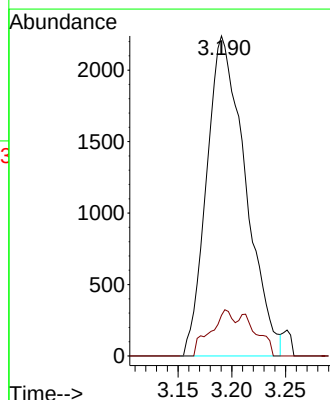
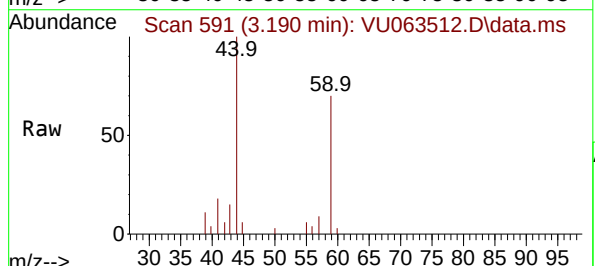
RT: 3.190 min Scan# 591

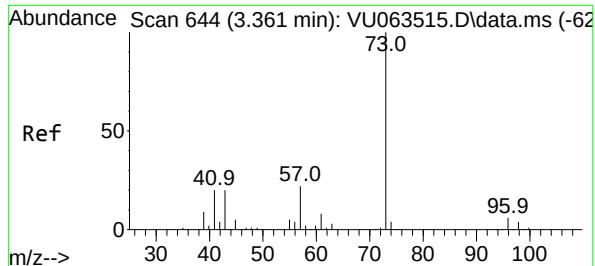
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 59	Resp: 5615
Ion Ratio	Lower Upper
59	100
57	8.7 8.6 12.8





#25

Methyl tert-Butyl Ether

Concen: 1.033 ug/l

RT: 3.361 min Scan# 64

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 1572

Ion Ratio Lower Upper

73 100

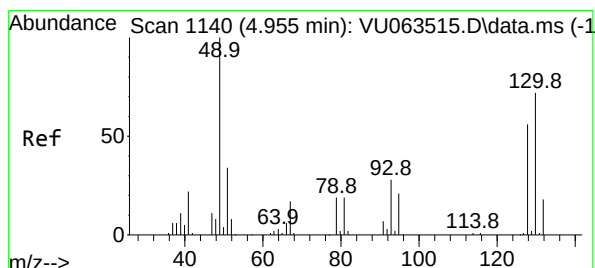
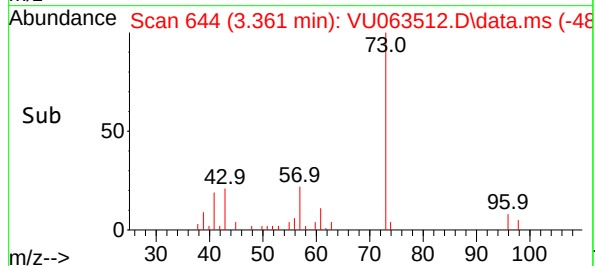
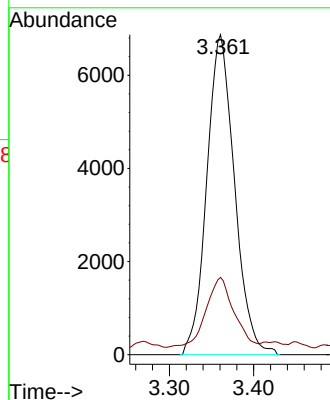
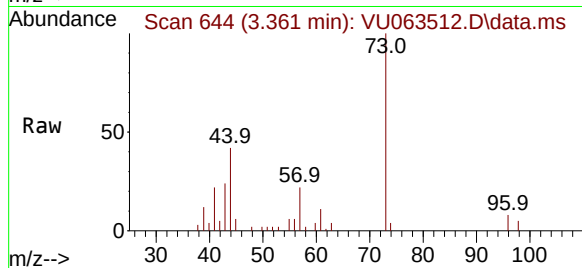
43 21.8 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 0.984 ug/l

RT: 4.959 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

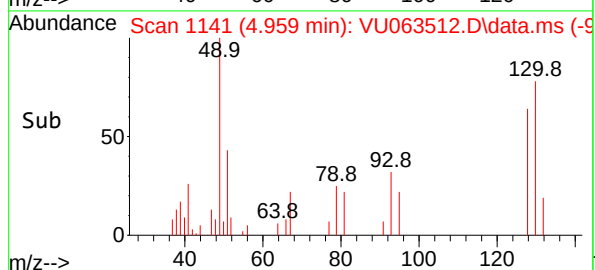
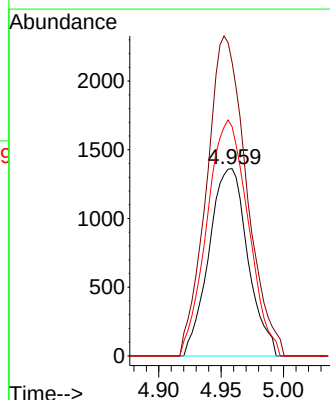
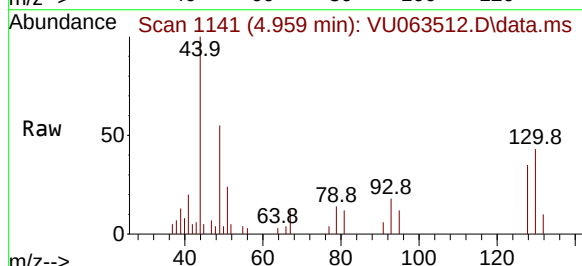
Tgt Ion:128 Resp: 2951

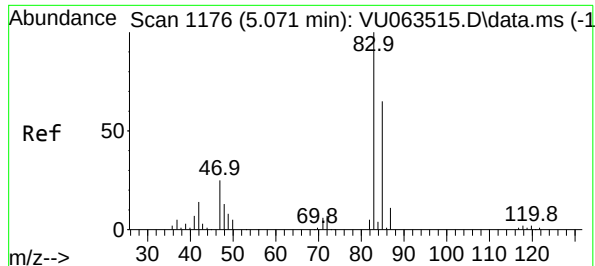
Ion Ratio Lower Upper

128 100

49 175.9 0.0 340.8

130 133.8 100.5 150.7





#27

Chloroform

Concen: 1.048 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 1312

Ion Ratio Lower Upper

83 100

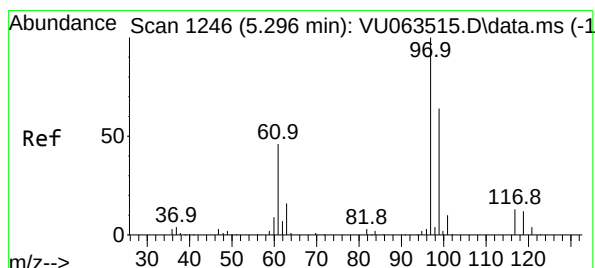
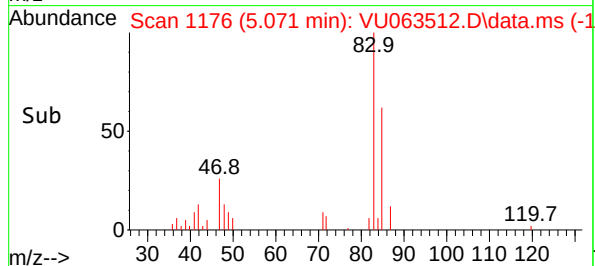
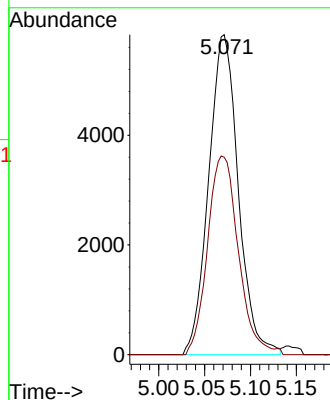
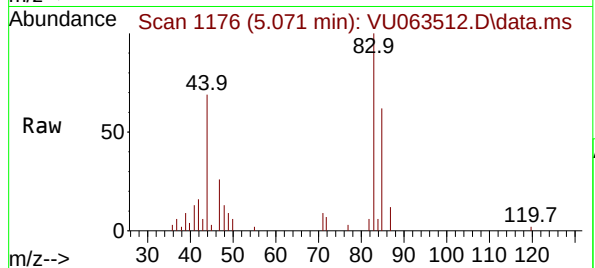
85 61.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 1.008 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

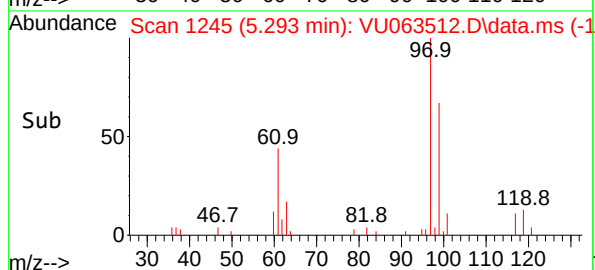
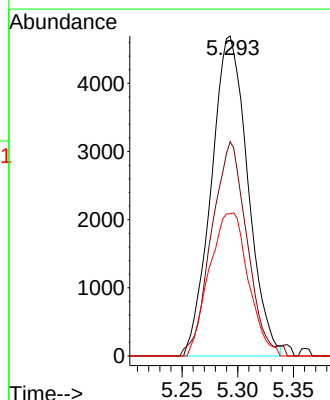
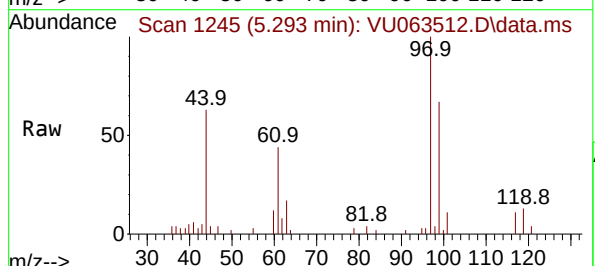
Tgt Ion: 97 Resp: 10709

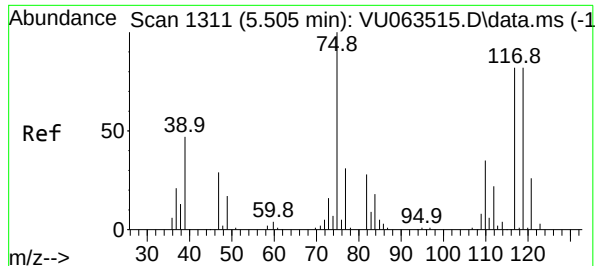
Ion Ratio Lower Upper

97 100

99 65.0 31.8 95.3

61 47.7 23.3 69.9





#29

1,1-Dichloropropene

Concen: 1.038 ug/l

RT: 5.502 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1022

Ion Ratio Lower Upper

75 100

110 34.3 17.8 53.4

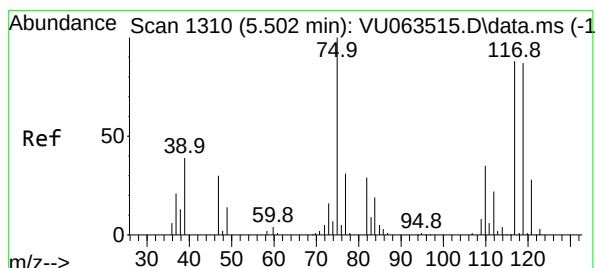
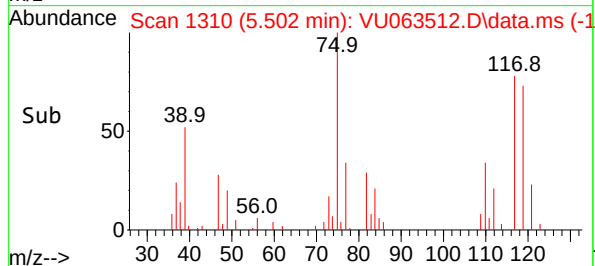
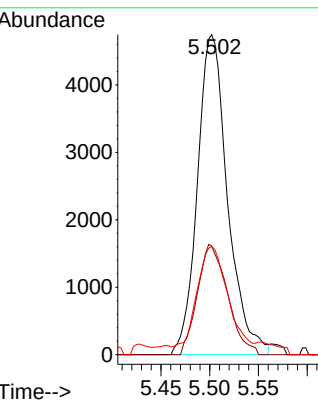
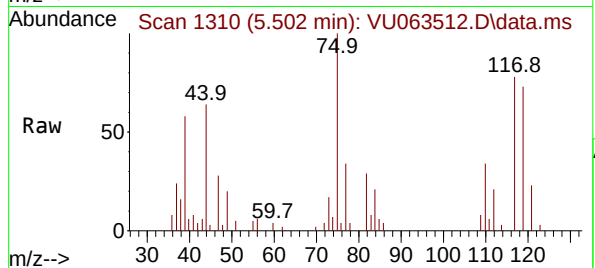
77 30.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 1.005 ug/l

RT: 5.496 min Scan# 1308

Delta R.T. -0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

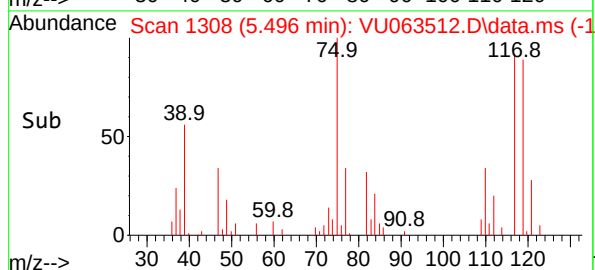
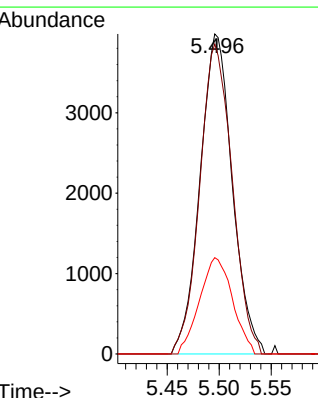
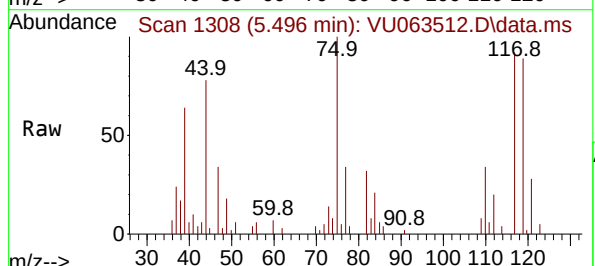
Tgt Ion:117 Resp: 8599

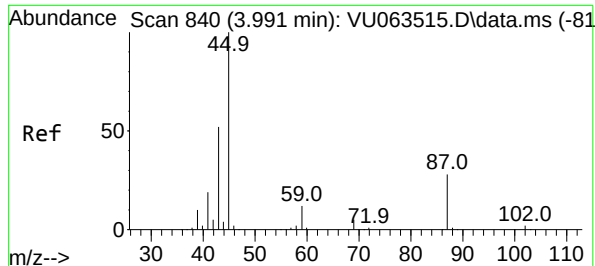
Ion Ratio Lower Upper

117 100

119 99.4 79.2 118.8

121 30.1 25.5 38.3





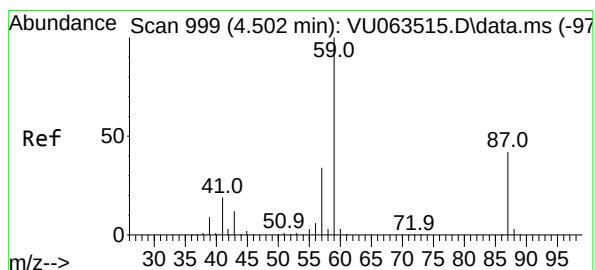
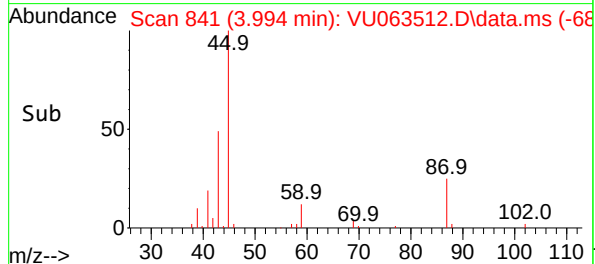
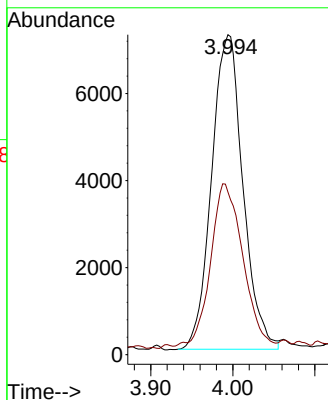
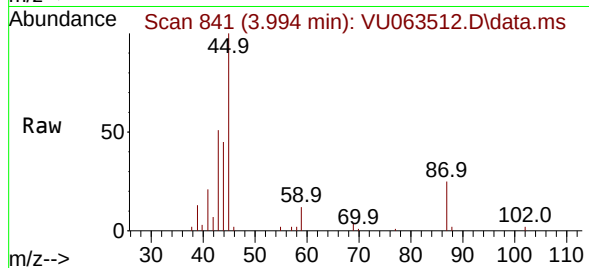
#31
Isopropyl Ether
Concen: 1.037 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1920
Ion Ratio Lower Upper
45 100
43 52.6 25.7 77.0

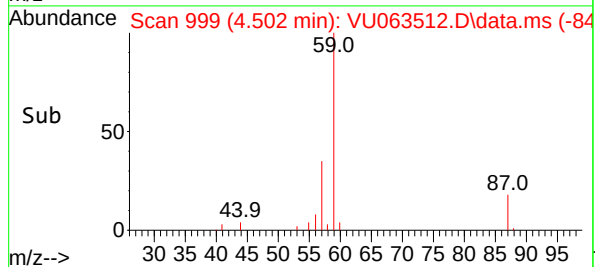
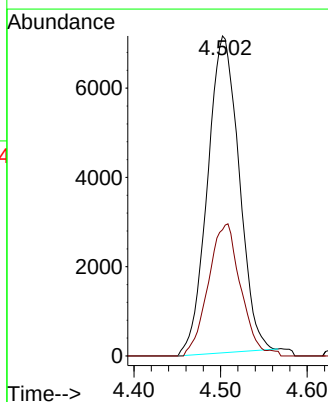
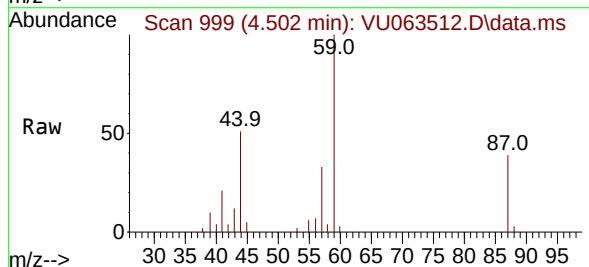
Manual Integrations
APPROVED

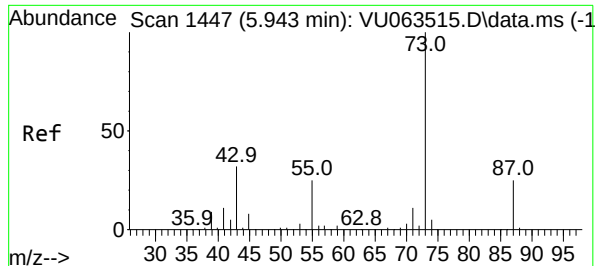
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 1.048 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 59 Resp: 17970
Ion Ratio Lower Upper
59 100
87 42.8 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 0.907 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

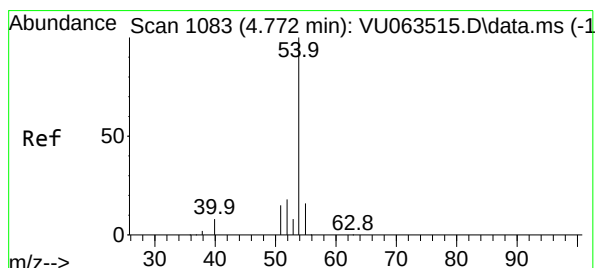
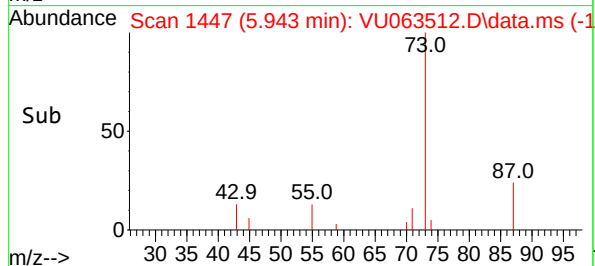
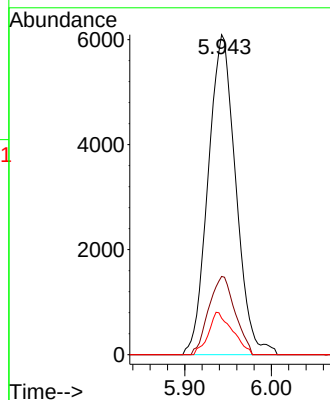
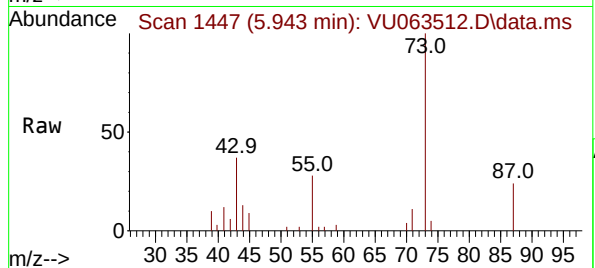
VSTDIC001

Tgt Ion: 73	Resp: 13490
Ion Ratio	Lower Upper
73	100
87	23.3 19.4 29.2
71	11.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 5.214 ug/l

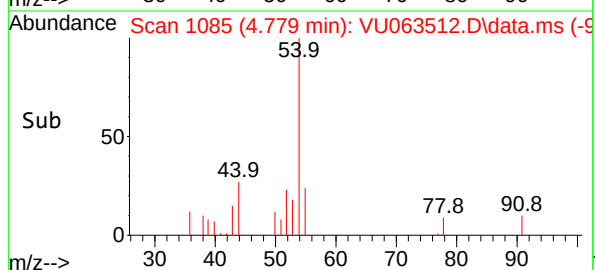
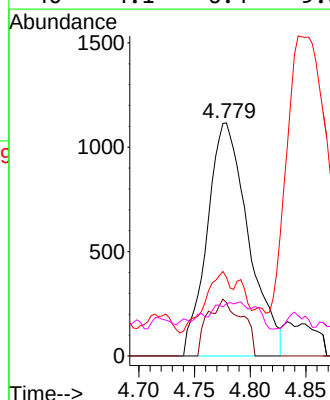
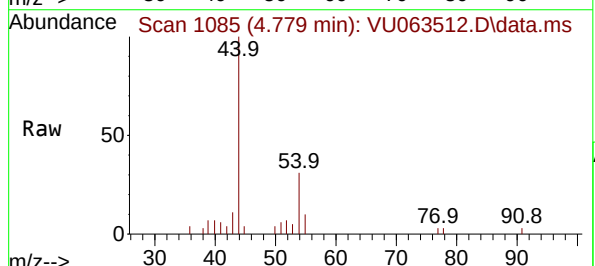
RT: 4.779 min Scan# 1085

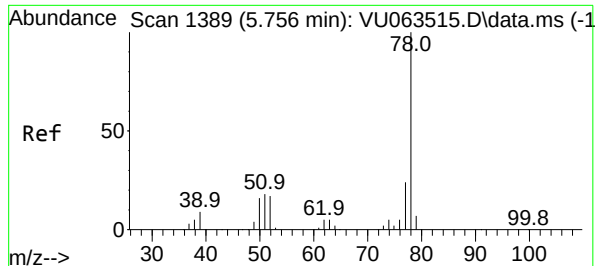
Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 54	Resp: 2874
Ion Ratio	Lower Upper
54	100
52	20.1 17.0 25.4
55	16.6 13.6 20.4
40	4.1 6.4 9.6





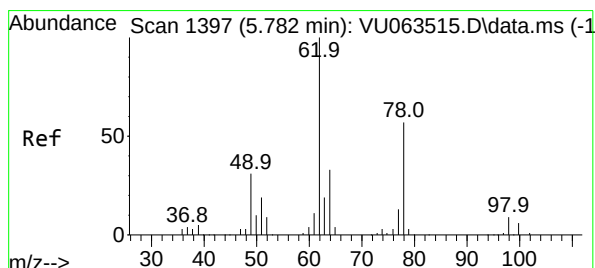
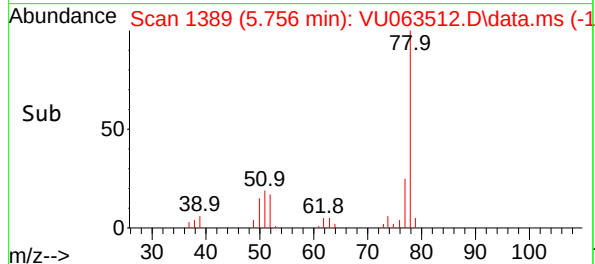
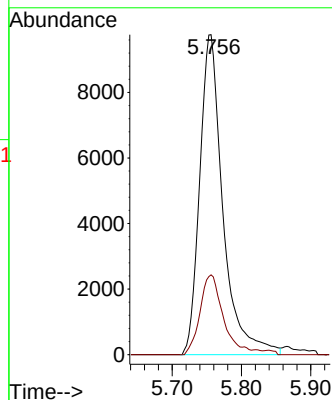
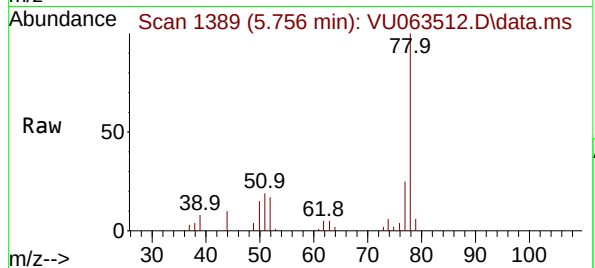
#35
Benzene
Concen: 0.858 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 78 Resp: 22692
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.2

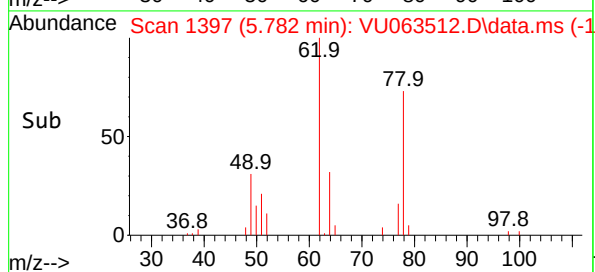
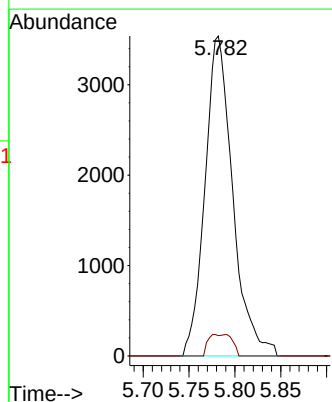
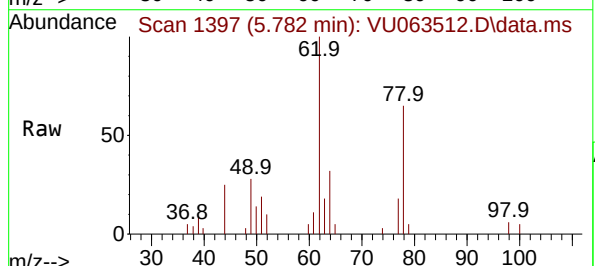
Manual Integrations
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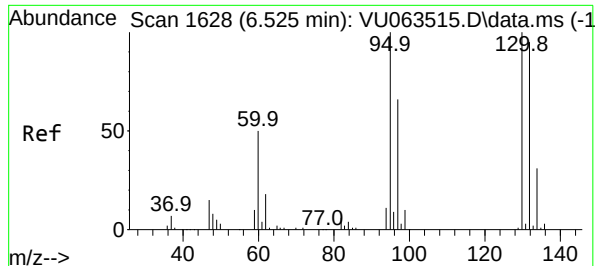
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

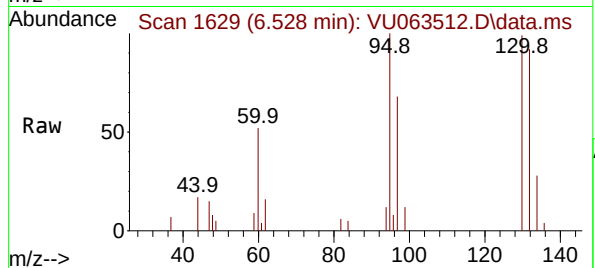
Tgt Ion: 62 Resp: 7451
Ion Ratio Lower Upper
62 100
98 2.7 6.4 9.6#





#37
Trichloroethene
Concen: 0.940 ug/l
RT: 6.528 min Scan# 1628
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

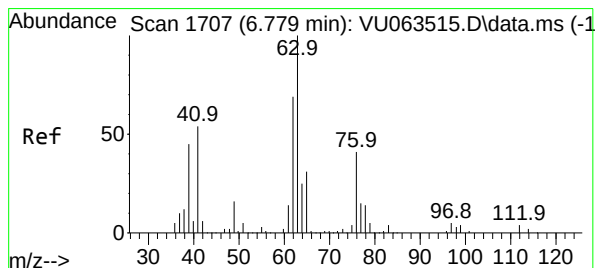
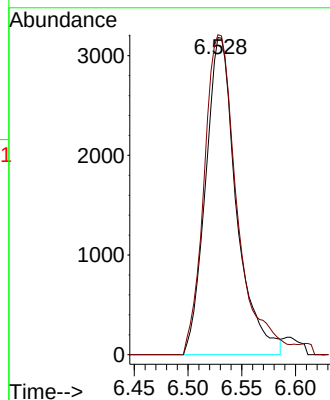
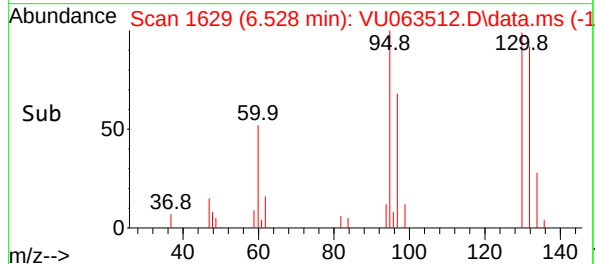
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion:130 Resp: 634
Ion Ratio Lower Upper
130 100
95 100.9 80.3 120.5

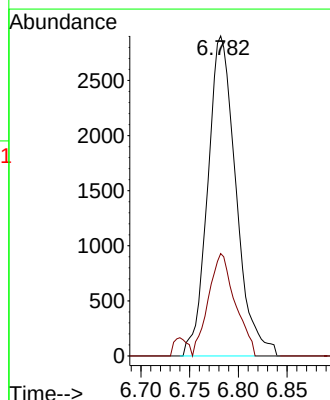
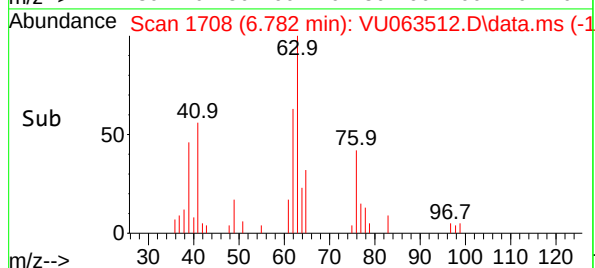
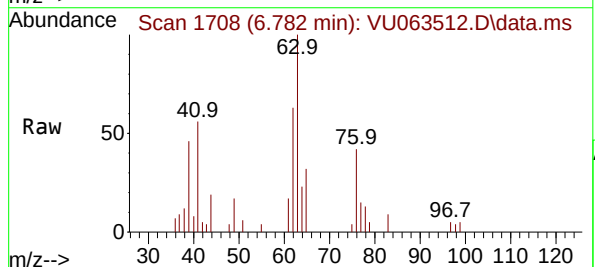
Manual Integrations
APPROVED

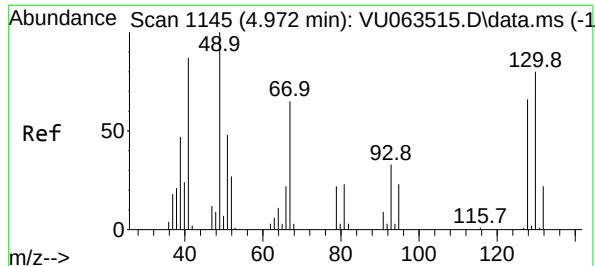
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#38
1,2-Dichloropropane
Concen: 0.947 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion: 63 Resp: 5862
Ion Ratio Lower Upper
63 100
65 32.0 24.6 36.8





#39

Methacrylonitrile

Concen: 0.979 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 2368

Ion Ratio Lower Upper

41 100

67 89.7 62.7 94.1

39 62.1 43.1 64.7

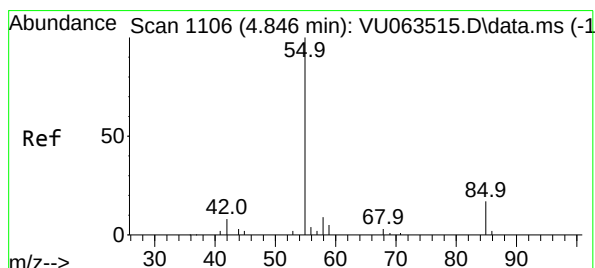
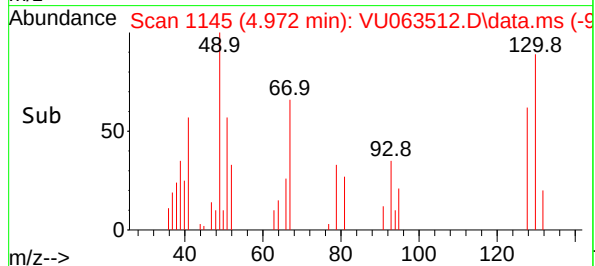
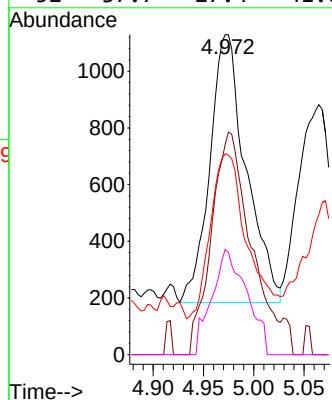
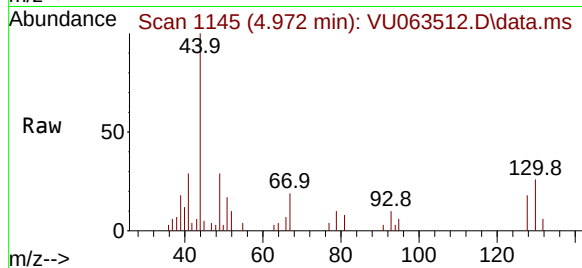
52 37.7 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 1.008 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 55 Resp: 3610

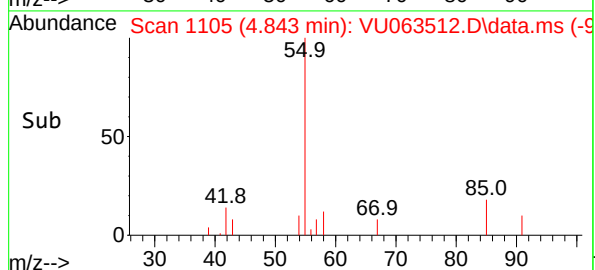
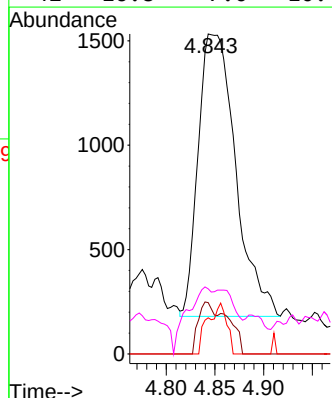
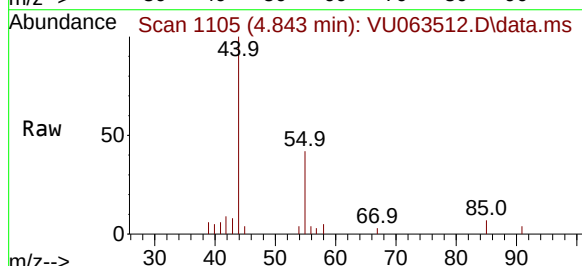
Ion Ratio Lower Upper

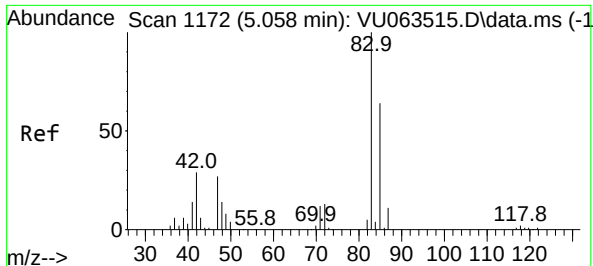
55 100

85 8.5 12.8 19.2#

58 9.1 7.0 10.4

42 16.8 7.0 10.4#





#41

Tetrahydrofuran

Concen: 1.887 ug/l

RT: 5.065 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

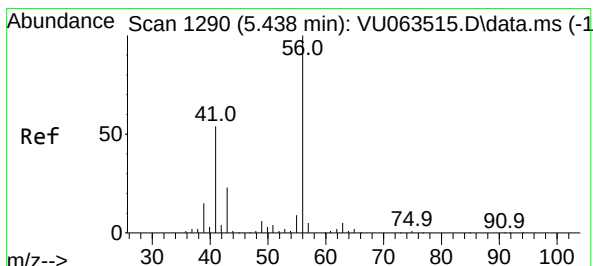
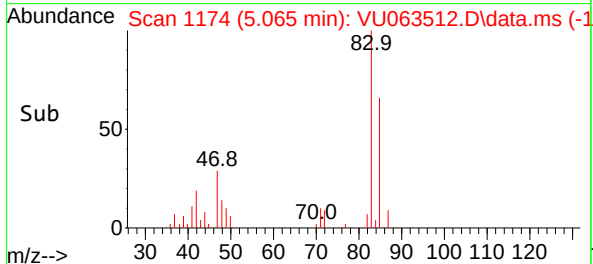
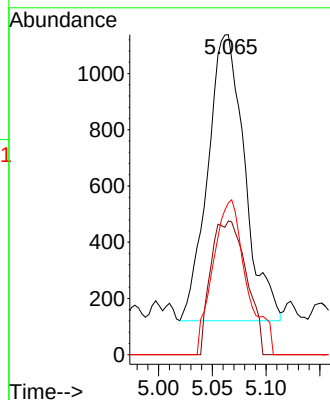
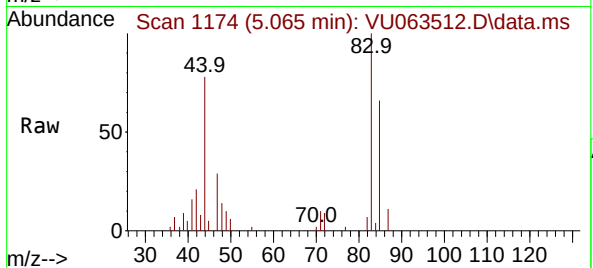
VSTDIC001

Tgt Ion:	42	Resp:	243
Ion	Ratio	Lower	Upper
42	100		
72	45.0	39.2	58.8
71	49.1	34.8	52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 0.987 ug/l

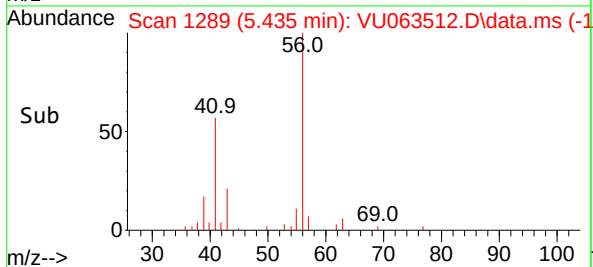
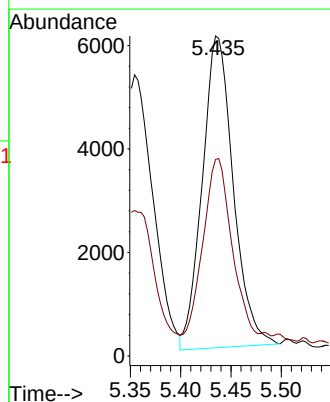
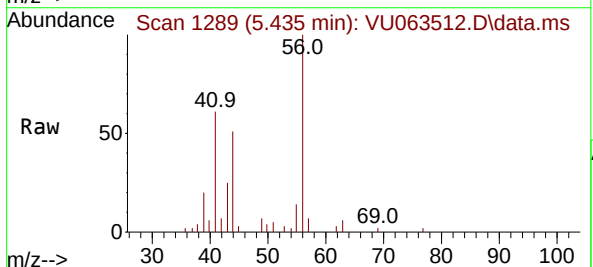
RT: 5.435 min Scan# 1289

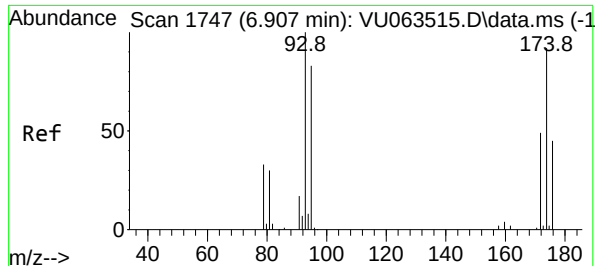
Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	56	Resp:	12913
Ion	Ratio	Lower	Upper
56	100		
41	52.5	26.7	80.0





#43

Dibromomethane

Concen: 0.939 ug/l

RT: 6.910 min Scan# 1747

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 301

Ion Ratio Lower Upper

93 100

95 81.8 67.9 101.9

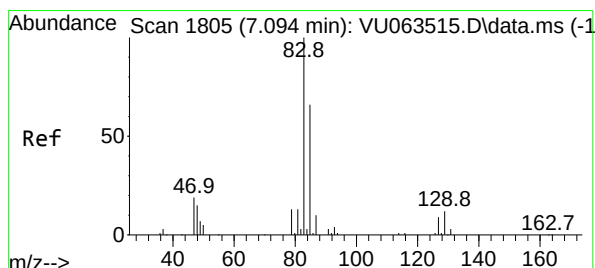
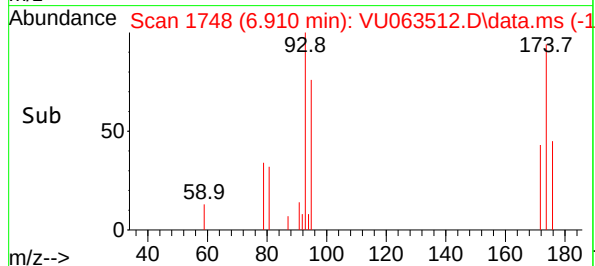
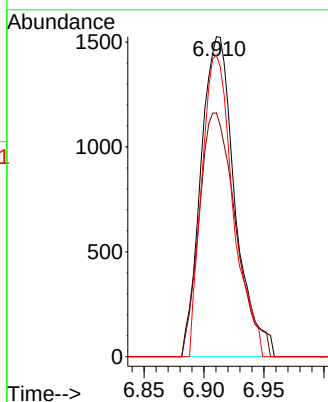
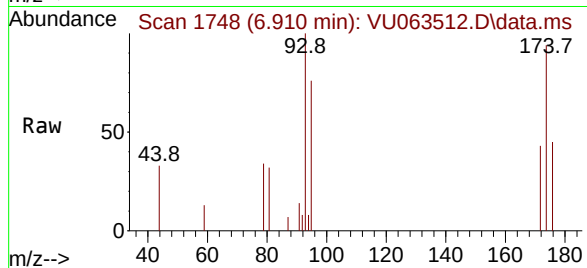
174 86.0 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 0.943 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

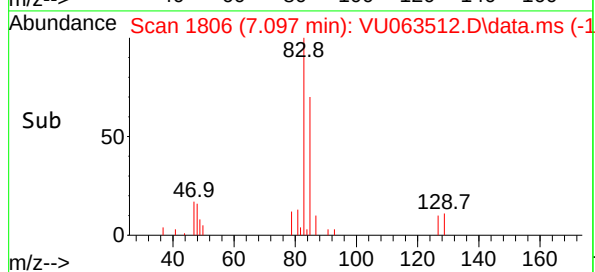
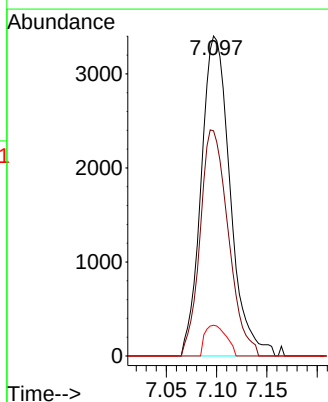
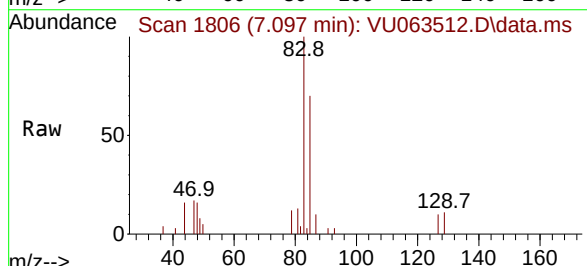
Tgt Ion: 83 Resp: 6824

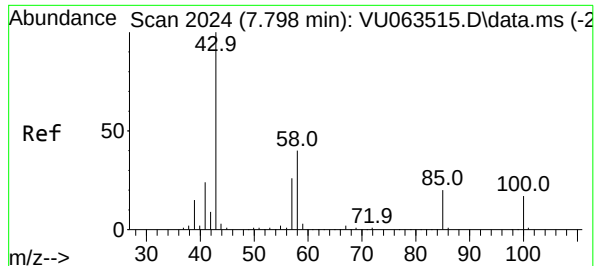
Ion Ratio Lower Upper

83 100

85 70.4 52.7 79.1

127 9.6 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 4.985 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

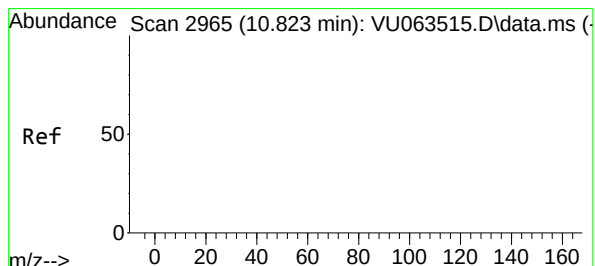
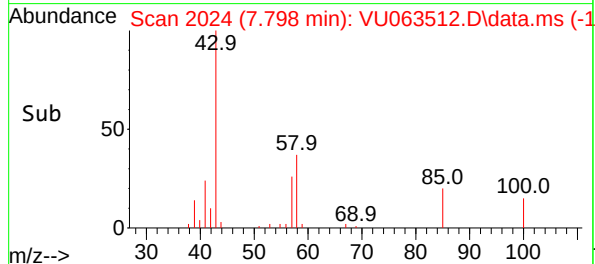
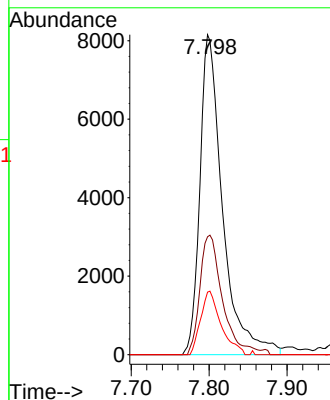
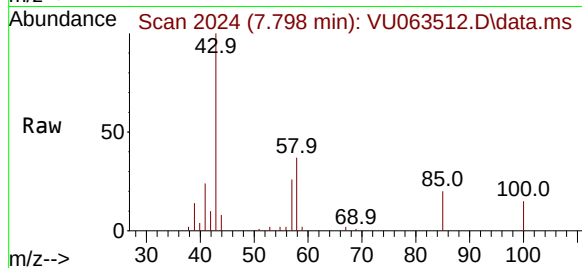
VSTDICC001

Tgt Ion:	43	Resp:	16478
Ion	Ratio	Lower	Upper
43	100		
58	37.0	20.0	60.0
85	17.8	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 2.286 ug/l m

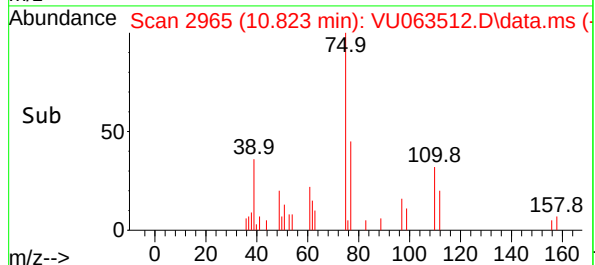
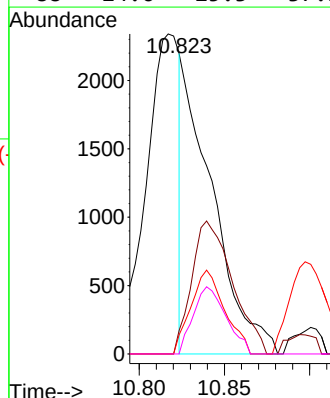
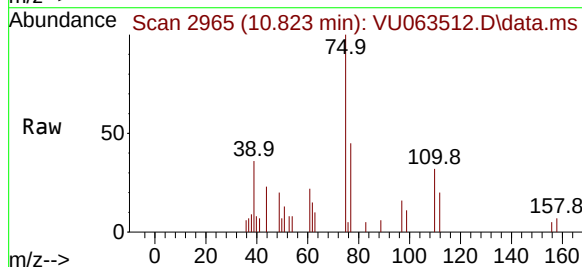
RT: 10.823 min Scan# 2965

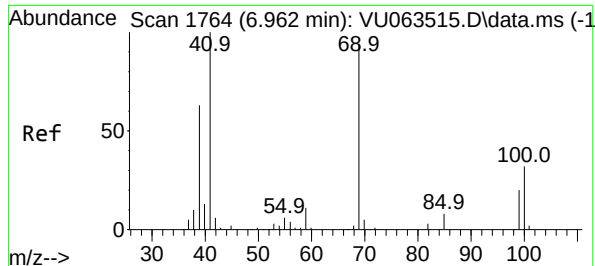
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	75	Resp:	2681
Ion	Ratio	Lower	Upper
75	100		
53	60.3	48.4	72.6
89	31.6	30.6	45.8
88	24.6	25.3	37.9





#47

Methyl methacrylate

Concen: 1.779 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 479

Ion Ratio Lower Upper

69 100

41 108.3 0.0 224.0

39 71.4 55.3 82.9

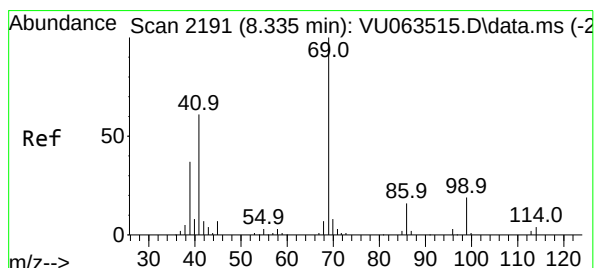
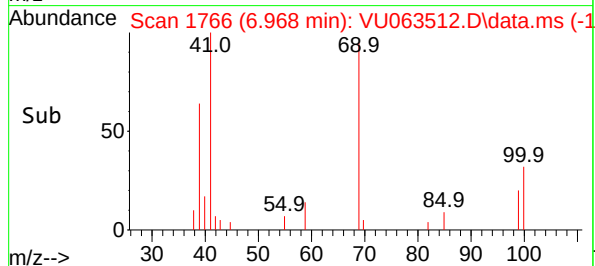
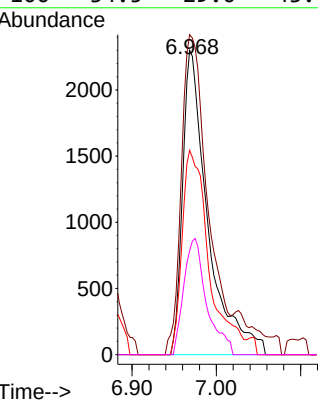
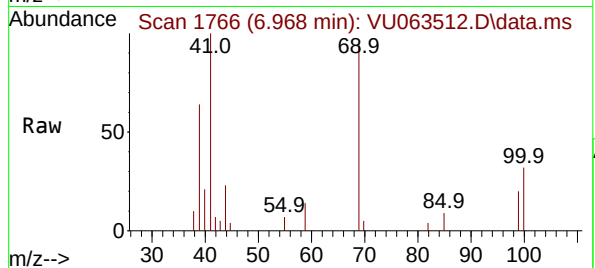
100 34.5 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 0.875 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.003 min

Lab File: VU063512.D

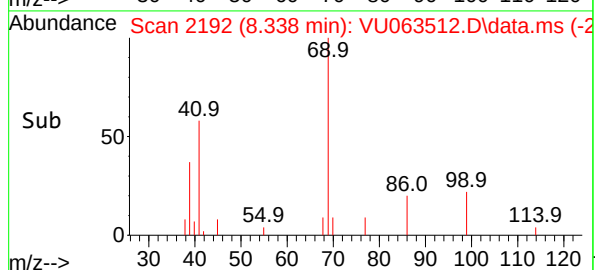
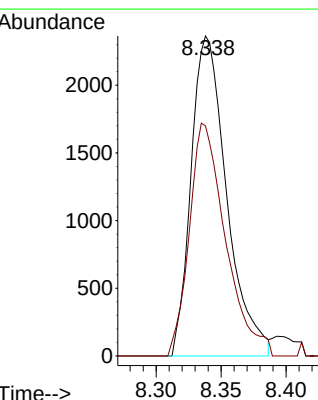
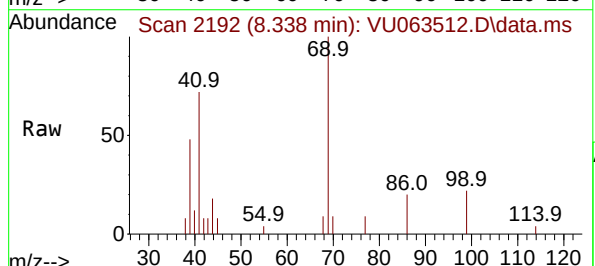
Acq: 16 Jul 2025 09:54

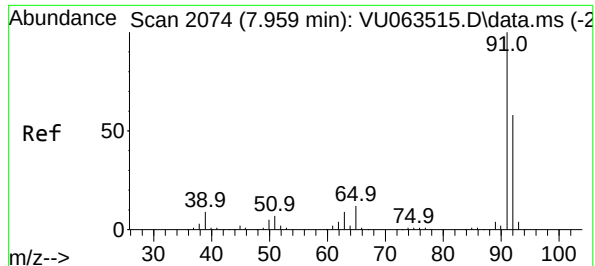
Tgt Ion: 69 Resp: 4500

Ion Ratio Lower Upper

69 100

41 73.9 30.8 92.4





#49

Toluene

Concen: 1.010 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 1459

Ion Ratio Lower Upper

92 100

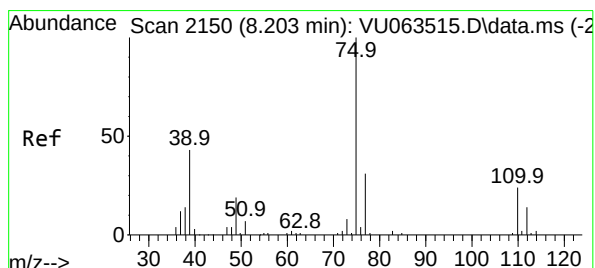
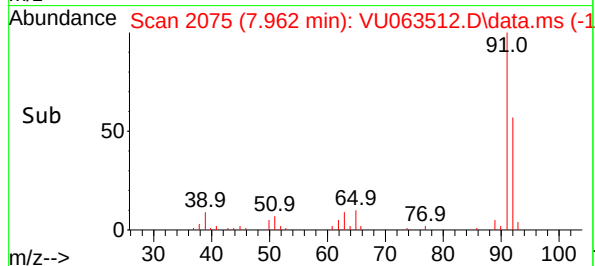
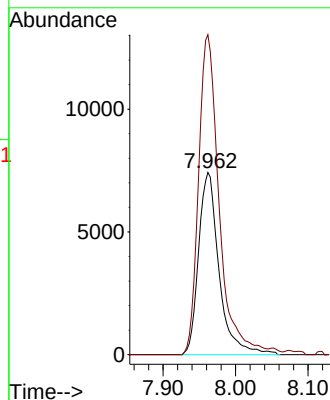
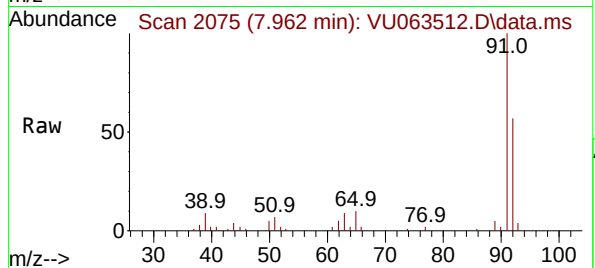
91 175.8 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 0.915 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063512.D

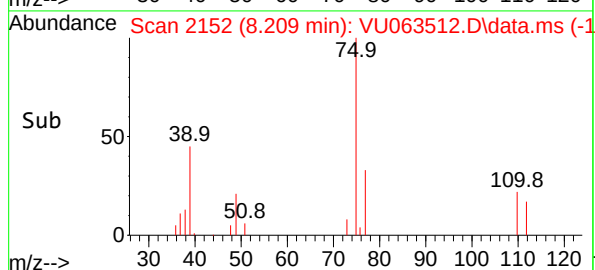
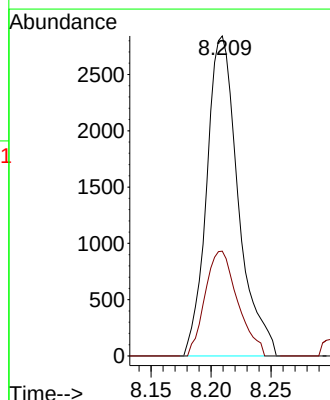
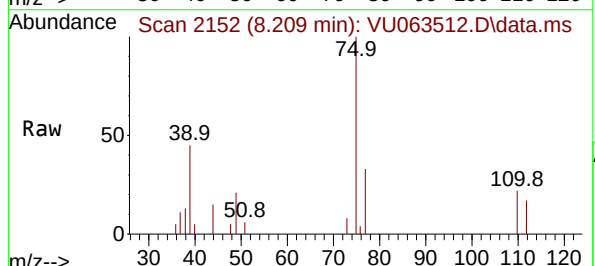
Acq: 16 Jul 2025 09:54

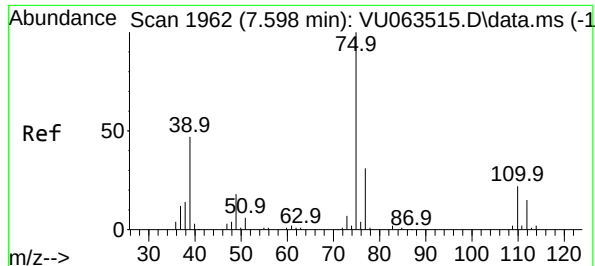
Tgt Ion: 75 Resp: 5194

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.918 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

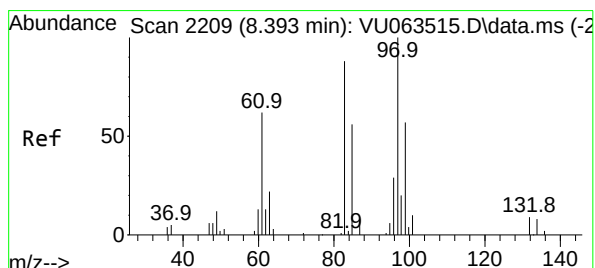
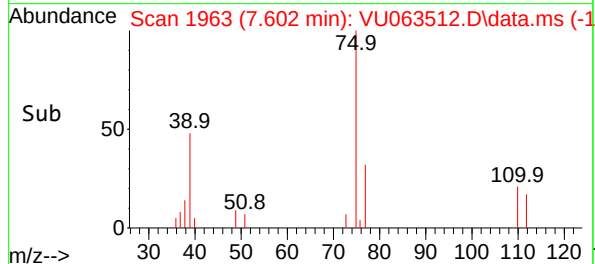
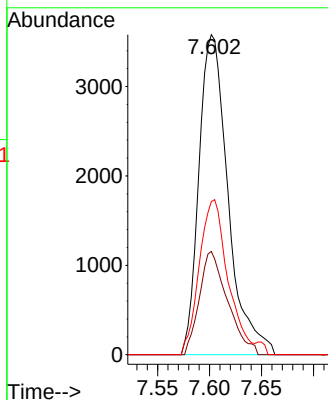
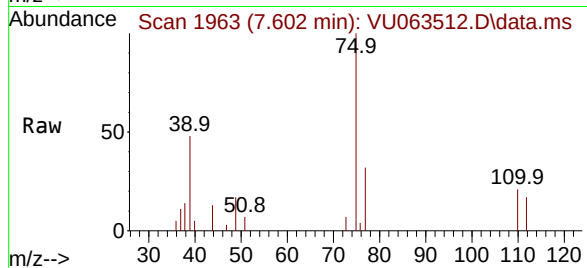
Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion:	75	Resp:	6989
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	47.8	37.8	56.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#52

1,1,2-Trichloroethane

Concen: 1.022 ug/l

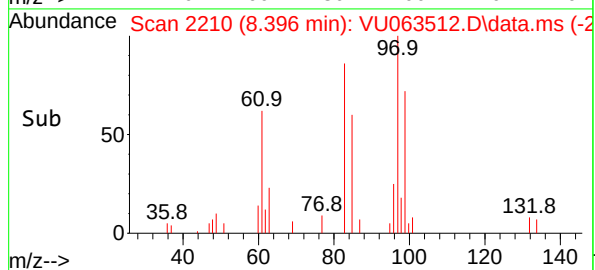
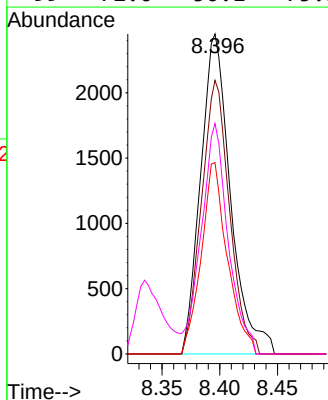
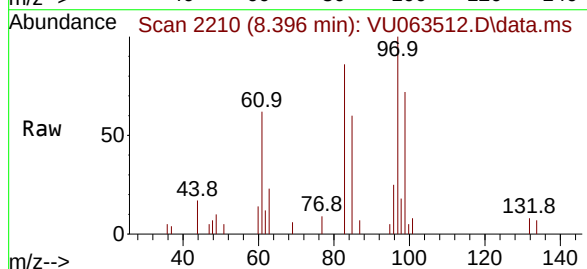
RT: 8.396 min Scan# 2210

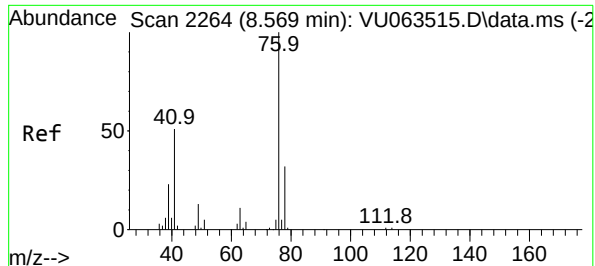
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	97	Resp:	4414
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.2	105.2
85	59.8	45.2	67.8
99	72.0	50.1	75.1





#53

1,3-Dichloropropane

Concen: 0.985 ug/l

RT: 8.569 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 7339

Ion Ratio Lower Upper

76 100

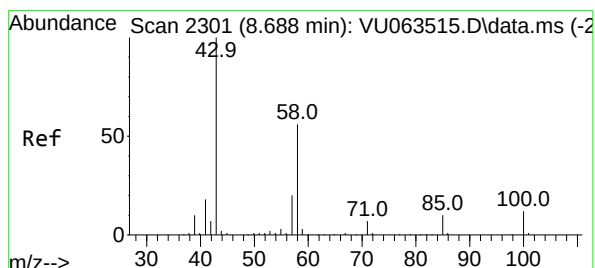
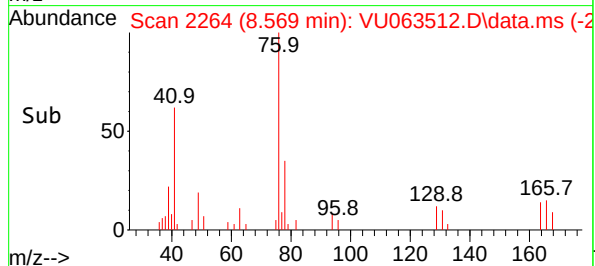
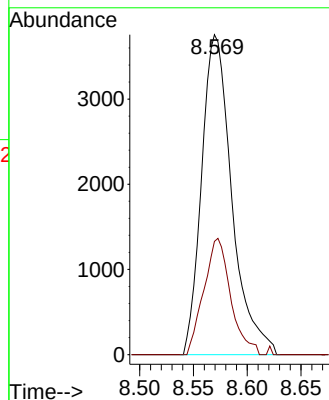
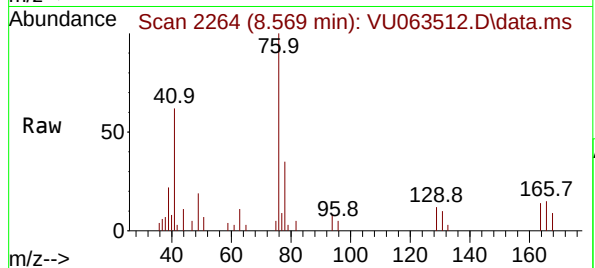
78 32.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 4.940 ug/l

RT: 8.695 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

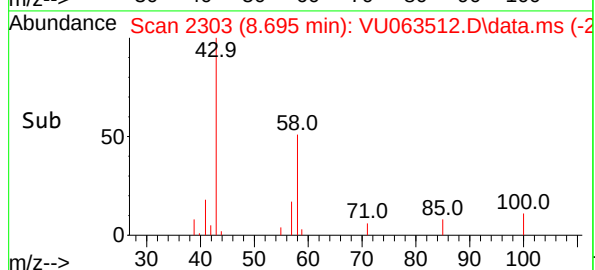
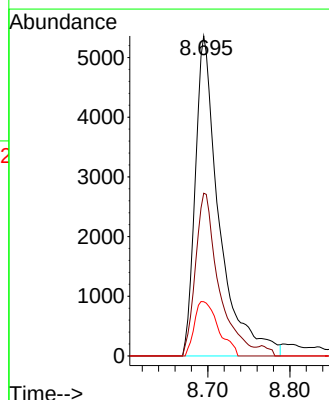
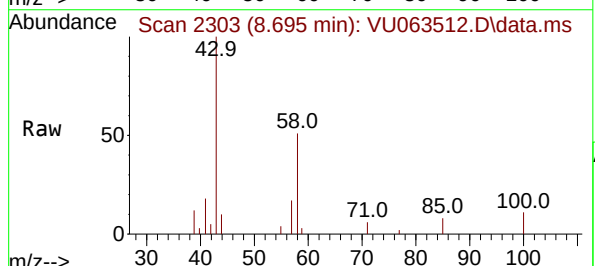
Tgt Ion: 43 Resp: 10847

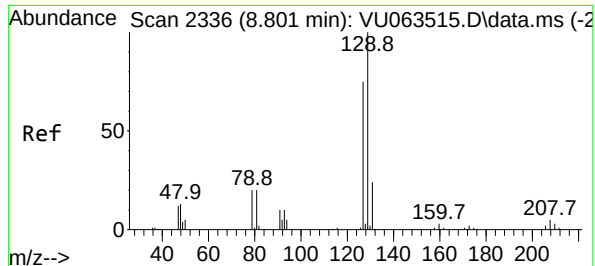
Ion Ratio Lower Upper

43 100

58 49.3 34.8 74.8

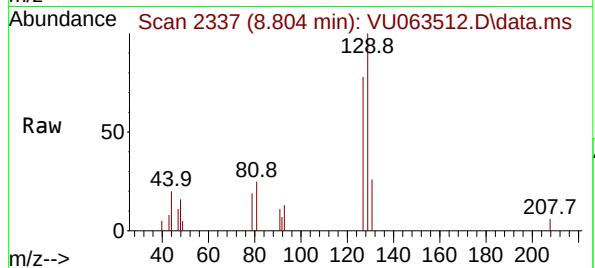
57 17.1 0.0 39.5





#55
Dibromochloromethane
Concen: 0.903 ug/l
RT: 8.804 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

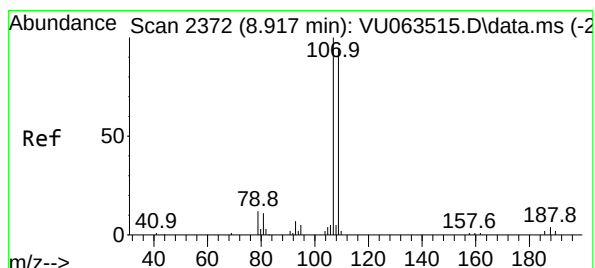
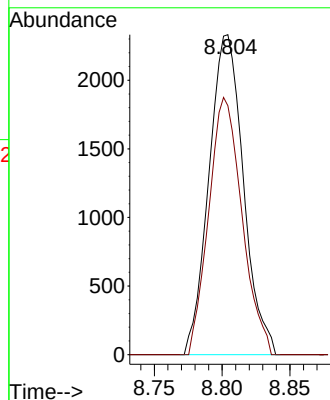
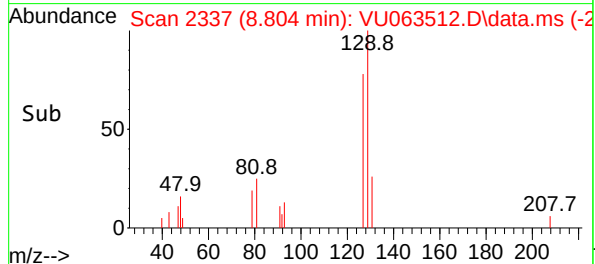
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



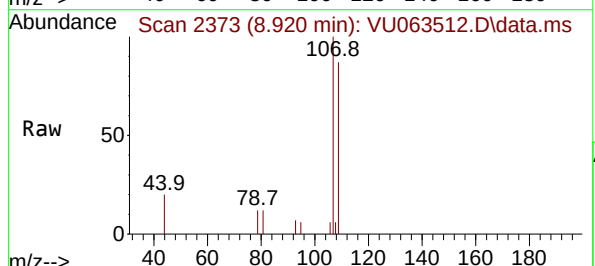
Tgt Ion:129 Resp: 412
Ion Ratio Lower Upper
129 100
127 77.6 60.1 90.1

Manual Integrations
APPROVED

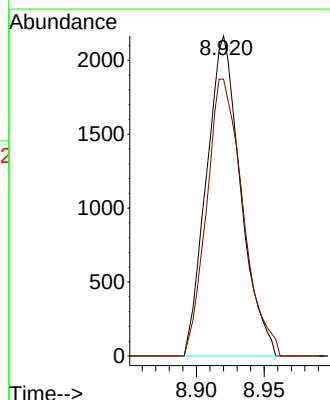
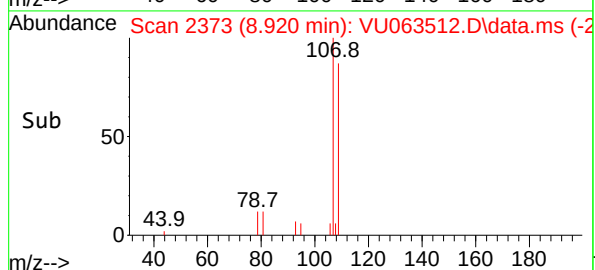
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

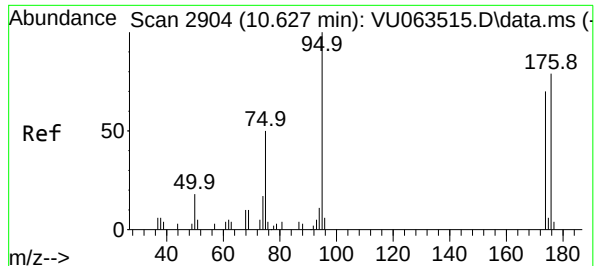


#56
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54



Tgt Ion:107 Resp: 3787
Ion Ratio Lower Upper
107 100
109 91.8 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 1.082 ug/l

RT: 10.631 min Scan# 2904

Delta R.T. 0.003 min

Lab File: VU063512.D

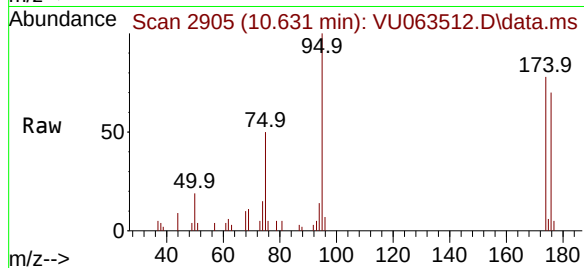
Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001



Tgt Ion: 95 Resp: 9200

Ion Ratio Lower Upper

95 100

174 73.9 59.8 89.8

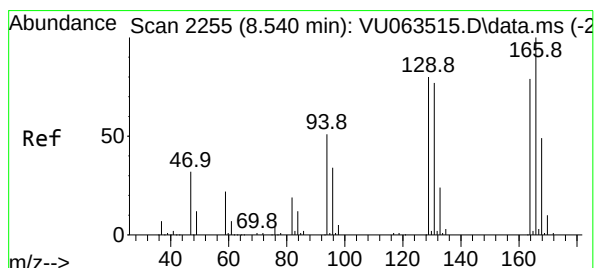
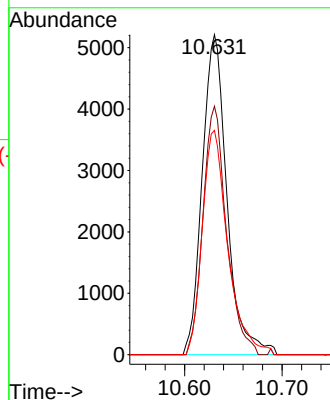
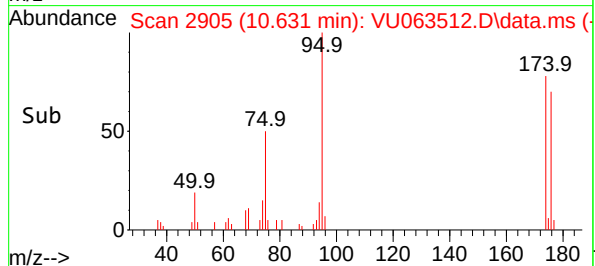
176 72.1 61.8 92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

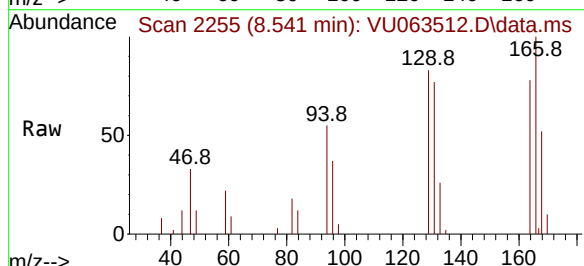
Concen: 1.016 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54



Tgt Ion:164 Resp: 6276

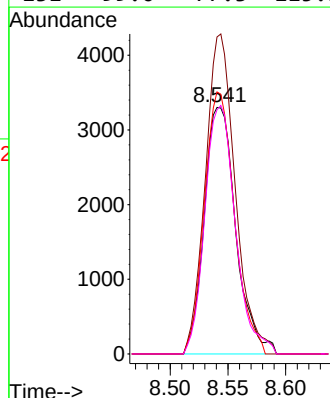
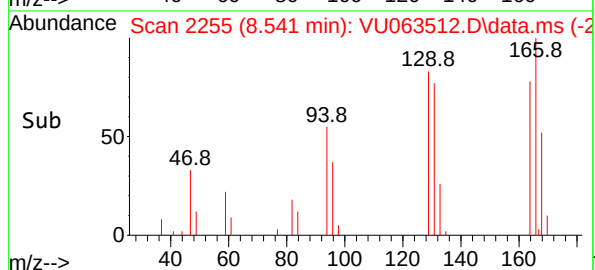
Ion Ratio Lower Upper

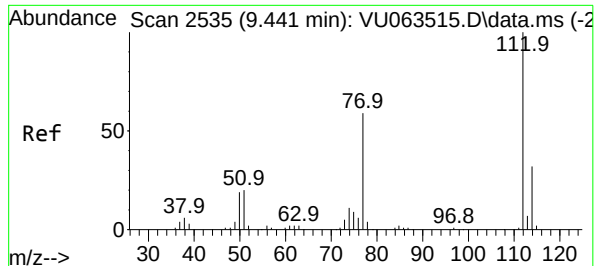
164 100

166 128.5 100.7 151.1

129 106.3 80.6 120.8

131 99.0 77.3 115.9





#59

Chlorobenzene

Concen: 0.994 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:112 Resp: 1649

Ion Ratio Lower Upper

112 100

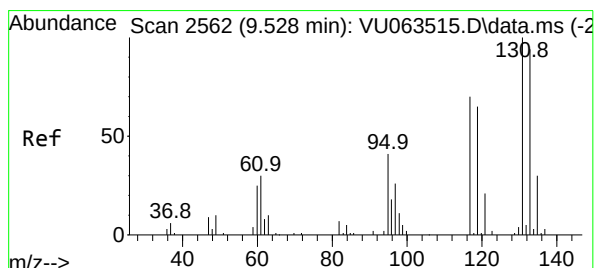
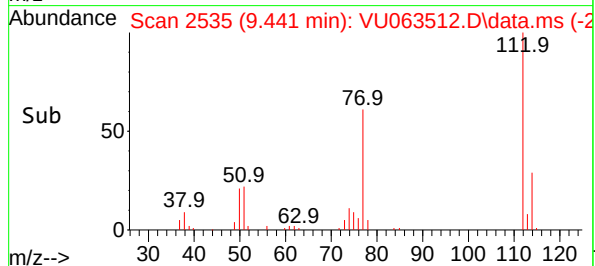
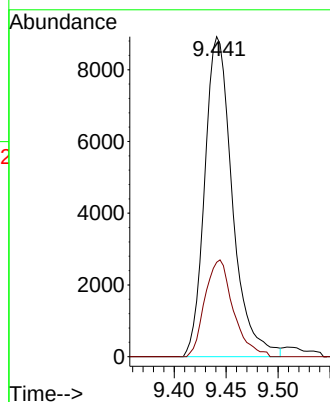
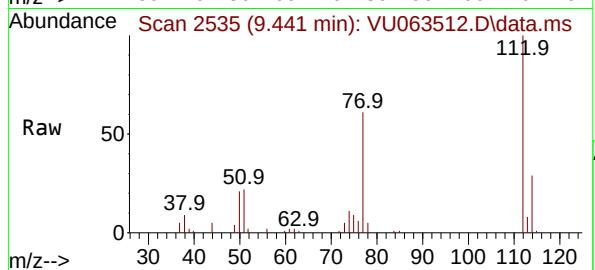
114 29.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.995 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

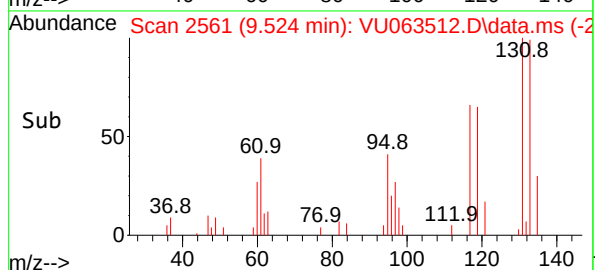
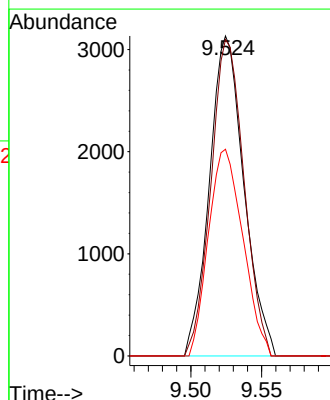
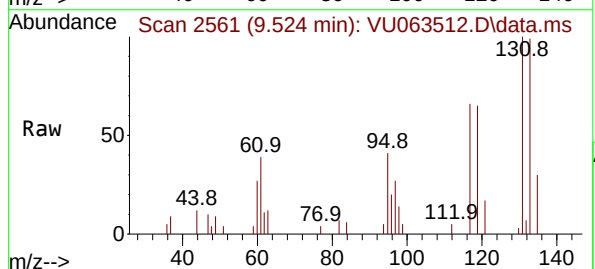
Tgt Ion:131 Resp: 5306

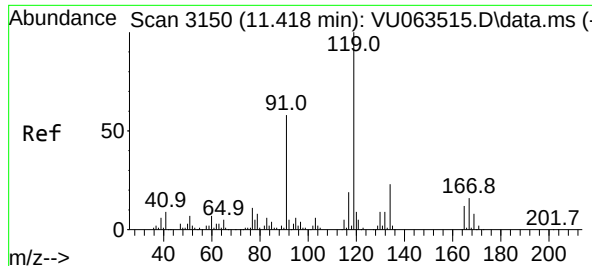
Ion Ratio Lower Upper

131 100

133 94.8 74.7 112.1

119 64.5 53.0 79.4





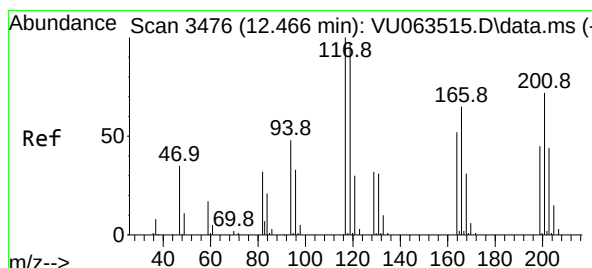
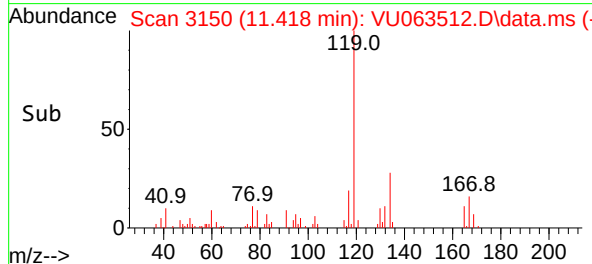
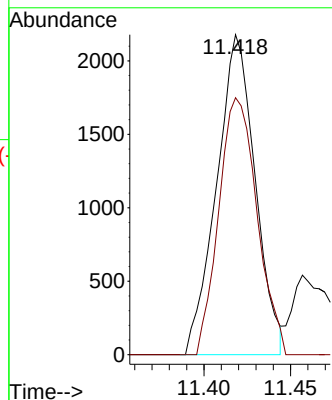
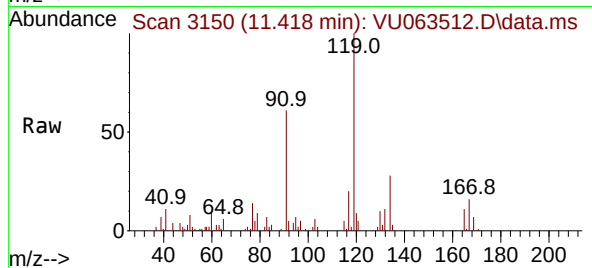
#61
Pentachloroethane
Concen: 0.894 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 3370
Ion Ratio Lower Upper
117 100
167 79.7 65.0 97.6

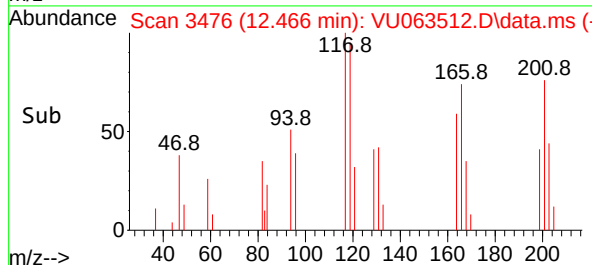
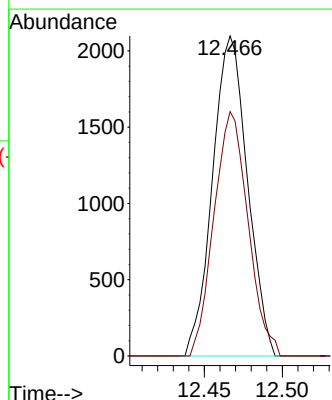
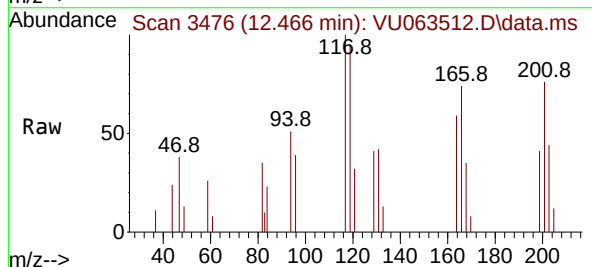
Manual Integrations
APPROVED

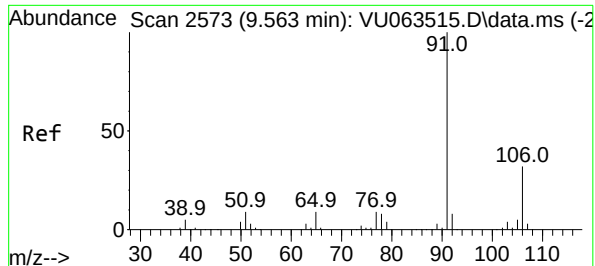
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 0.875 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion:117 Resp: 3268
Ion Ratio Lower Upper
117 100
201 74.5 57.4 86.0





#63

Ethyl Benzene

Concen: 0.992 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 28308

Ion Ratio Lower Upper

91 100

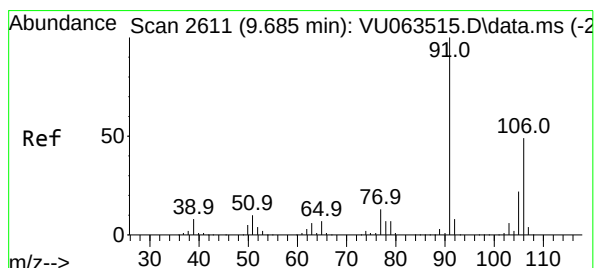
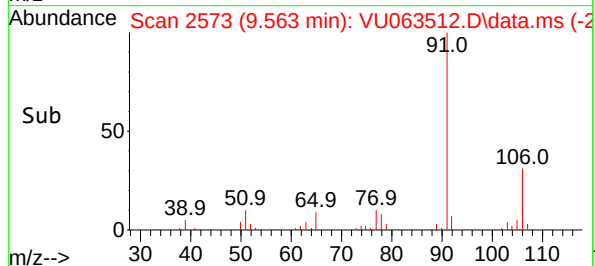
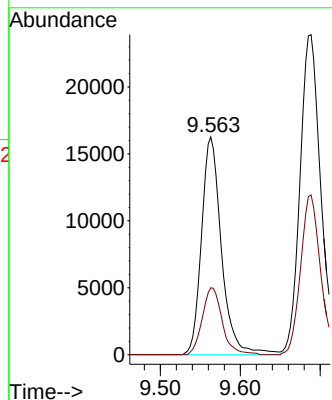
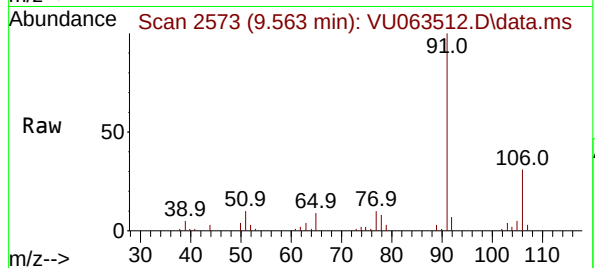
106 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 1.904 ug/l

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063512.D

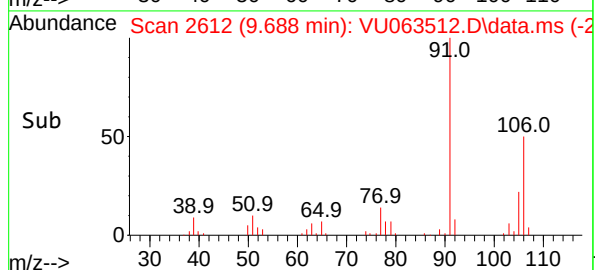
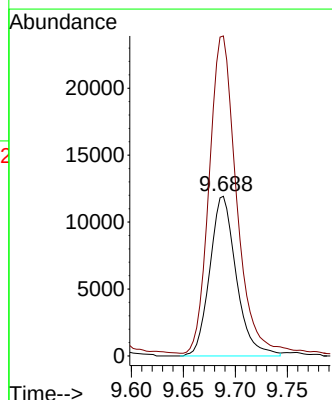
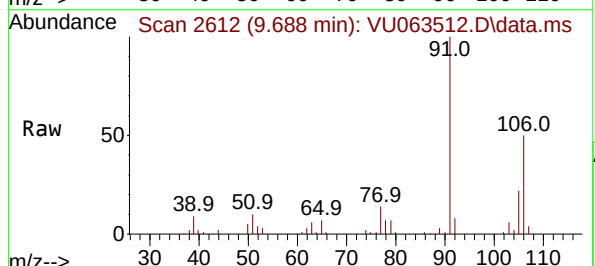
Acq: 16 Jul 2025 09:54

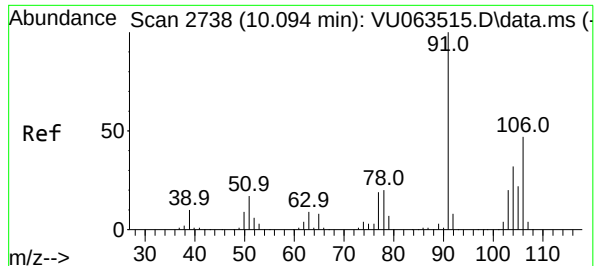
Tgt Ion:106 Resp: 21130

Ion Ratio Lower Upper

106 100

91 209.8 163.6 245.4





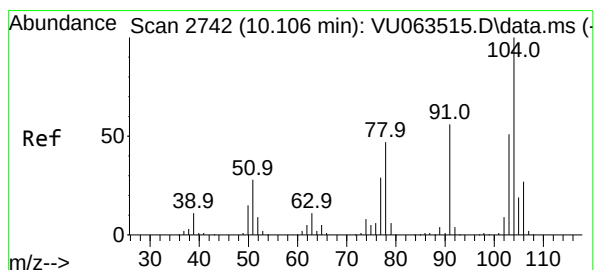
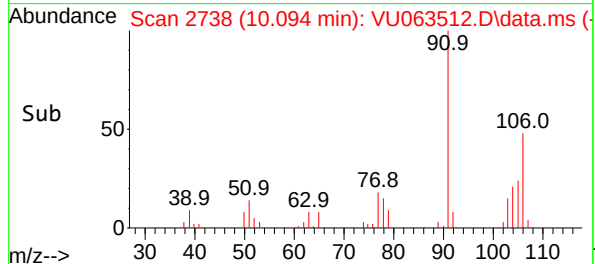
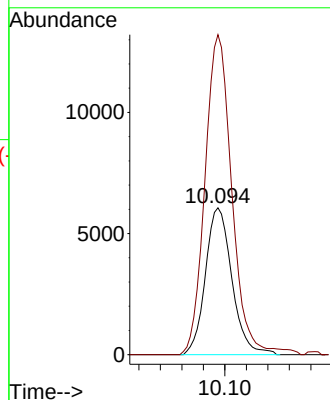
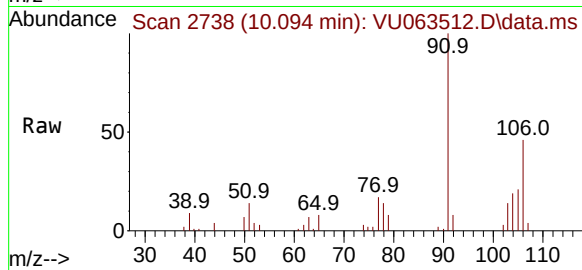
#65
o-Xylene
Concen: 0.974 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 10385
Ion Ratio Lower Upper
106 100
91 221.3 108.1 324.4

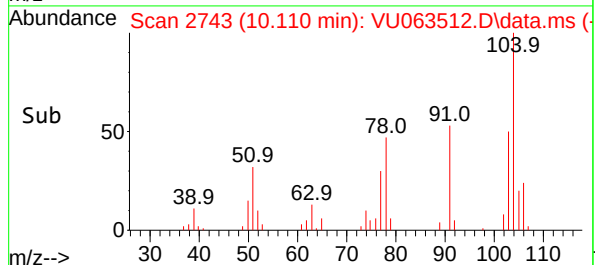
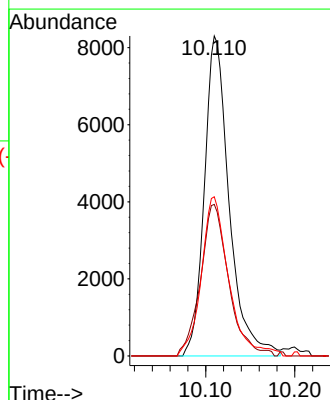
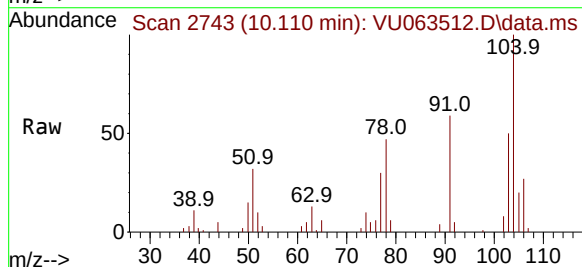
Manual Integrations
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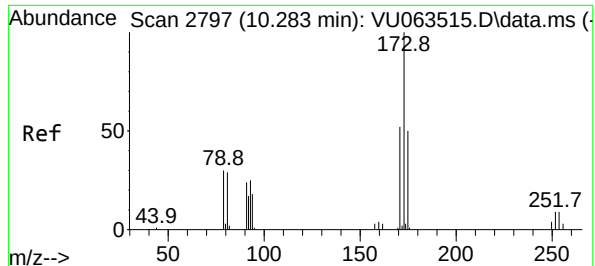
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 0.945 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

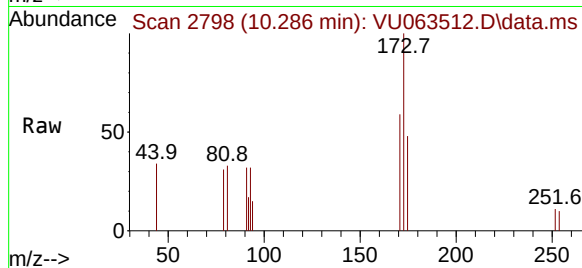
Tgt Ion:104 Resp: 16060
Ion Ratio Lower Upper
104 100
78 53.8 41.3 61.9
103 55.0 43.6 65.4





#67
Bromoform
Concen: 0.810 ug/l
RT: 10.286 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

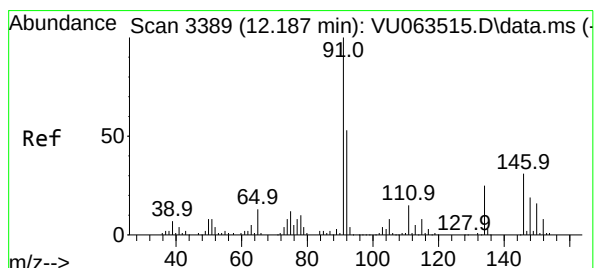
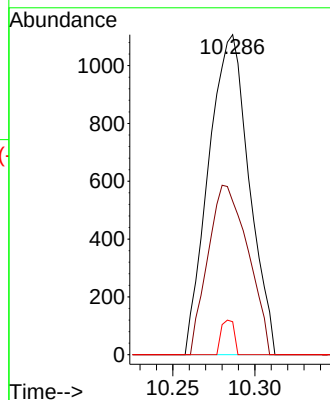
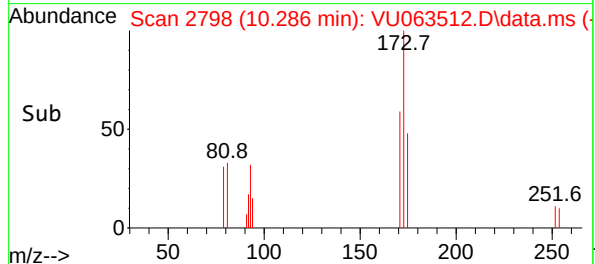
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



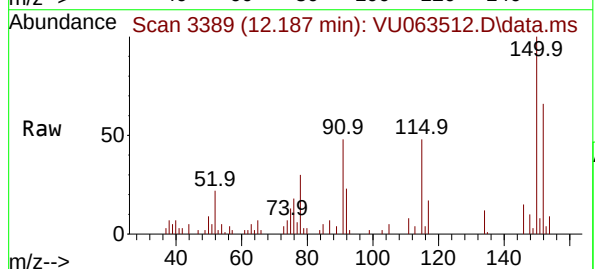
Tgt Ion:173 Resp: 189
Ion Ratio Lower Upper
173 100
175 52.3 39.0 58.4
254 3.4 6.5 9.7

Manual Integrations
APPROVED

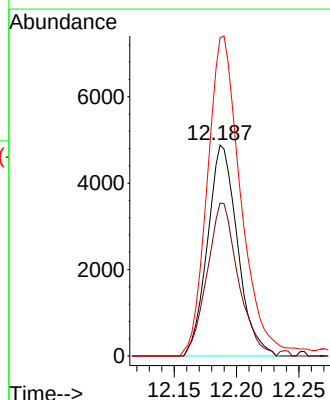
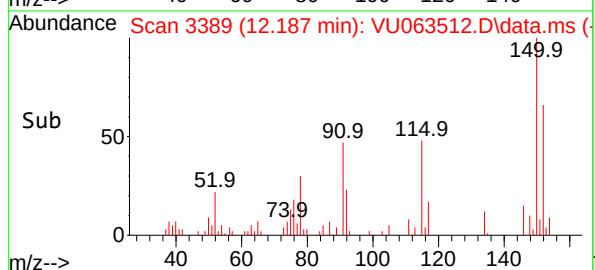
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

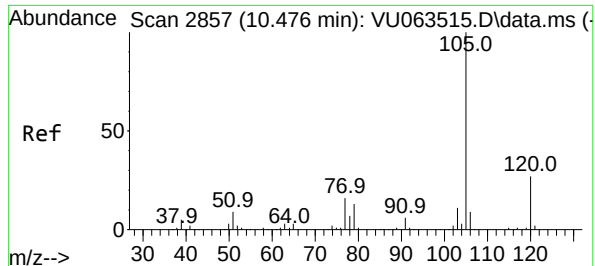


#68
1,2-Dichlorobenzene-d4
Concen: 1.038 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54



Tgt Ion:152 Resp: 8165
Ion Ratio Lower Upper
152 100
115 75.3 0.0 262.2
150 170.7 0.0 651.2





#69

Isopropylbenzene

Concen: 0.974 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 25098

Ion Ratio Lower Upper

105 100

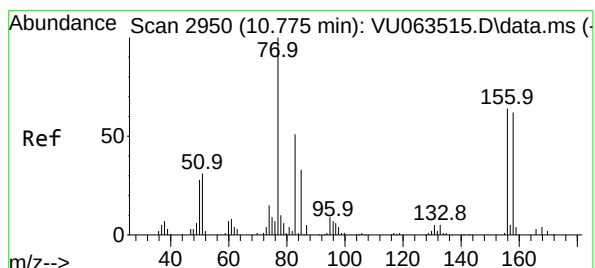
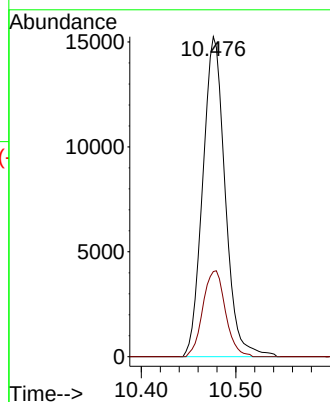
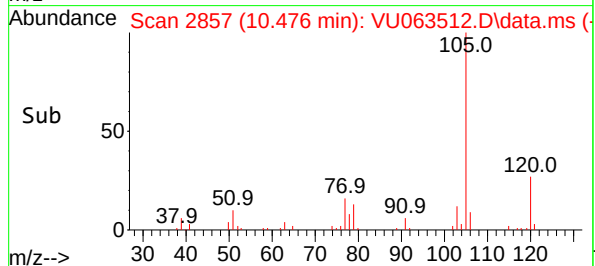
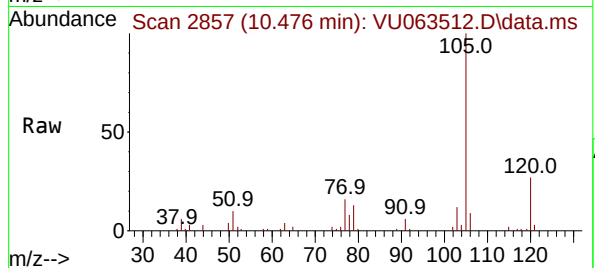
120 27.1 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.978 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

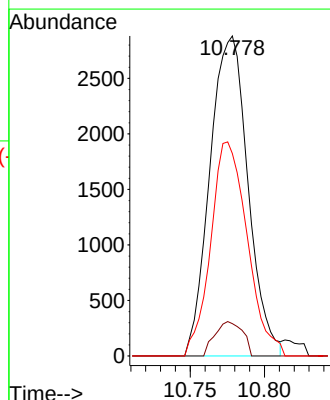
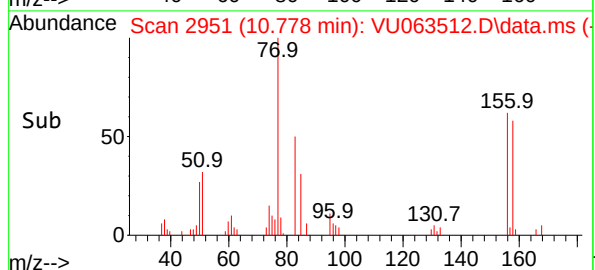
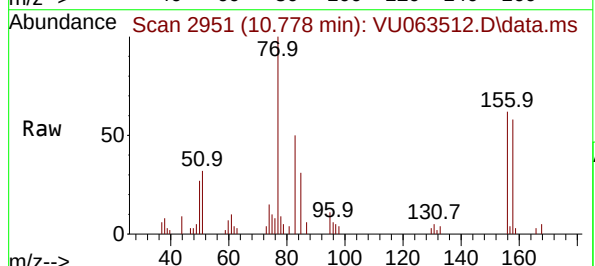
Tgt Ion: 83 Resp: 5141

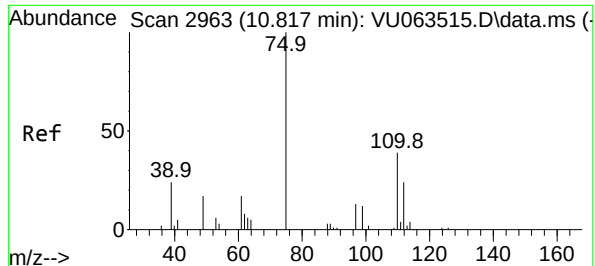
Ion Ratio Lower Upper

83 100

131 7.8 8.4 12.6#

85 64.3 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 1.034 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 443

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 33.5 0.0 73.2

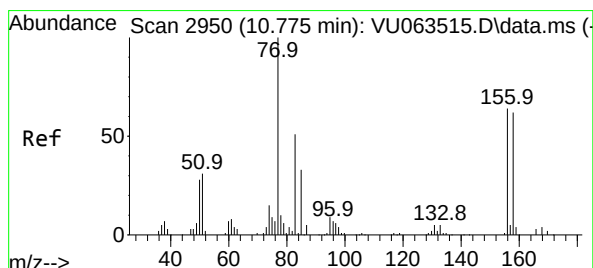
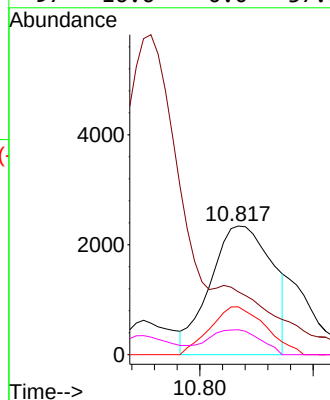
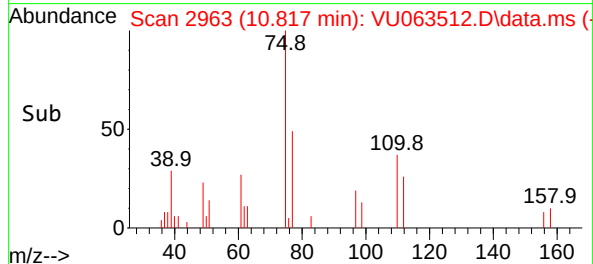
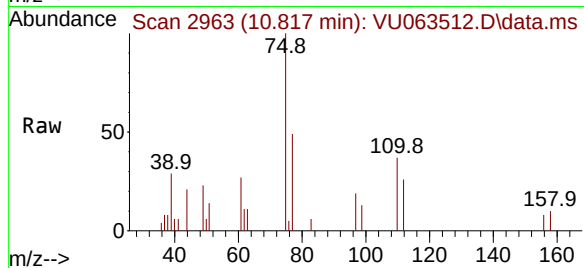
97 16.6 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 0.956 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

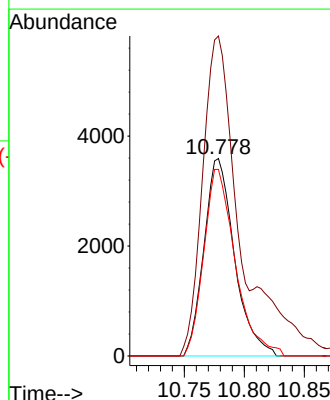
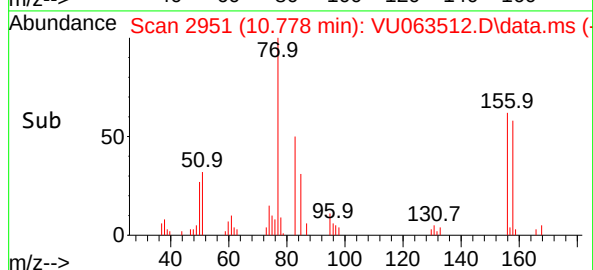
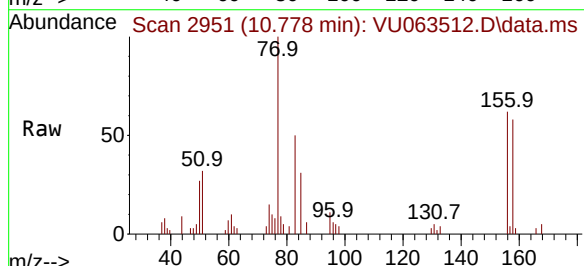
Tgt Ion:156 Resp: 6362

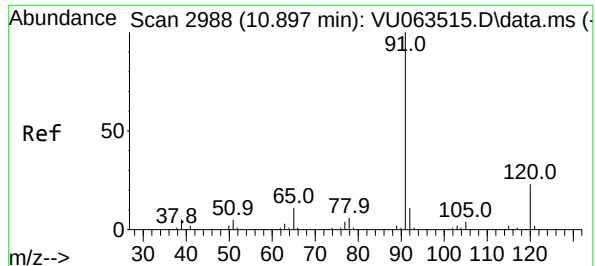
Ion Ratio Lower Upper

156 100

77 166.4 0.0 315.2

158 97.5 0.0 195.4





#73

n-propylbenzene

Concen: 0.946 ug/l

RT: 10.901 min Scan# 2988

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:120 Resp: 734

Ion Ratio Lower Upper

120 100

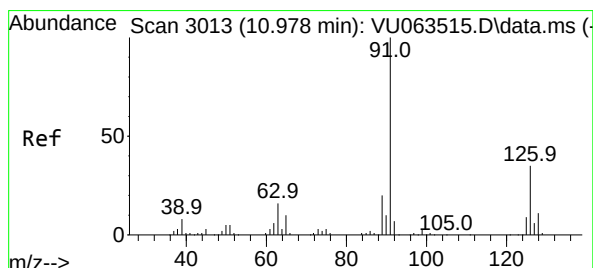
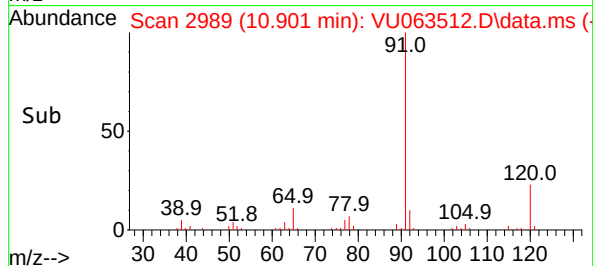
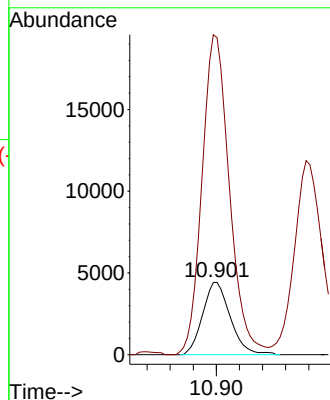
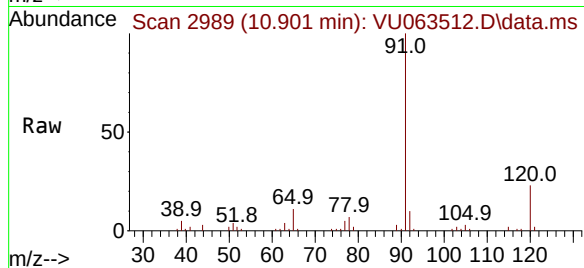
91 439.3 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 0.976 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063512.D

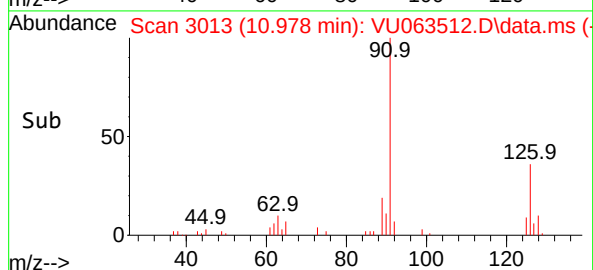
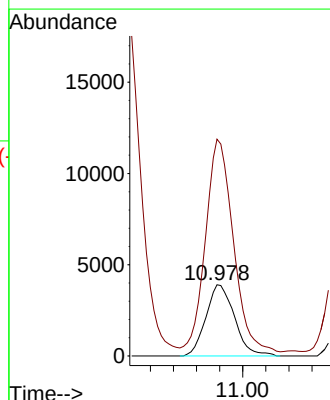
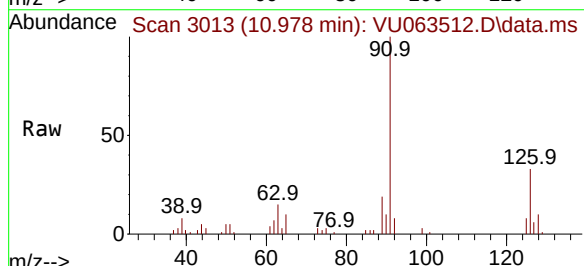
Acq: 16 Jul 2025 09:54

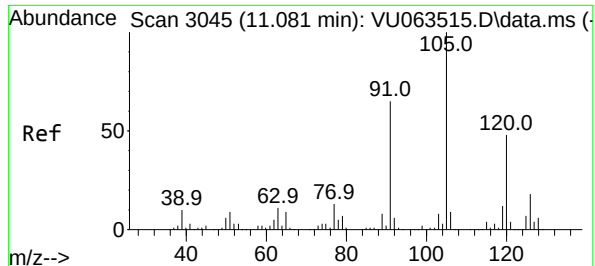
Tgt Ion:126 Resp: 6695

Ion Ratio Lower Upper

126 100

91 293.8 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 0.945 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 23269

Ion Ratio Lower Upper

105 100

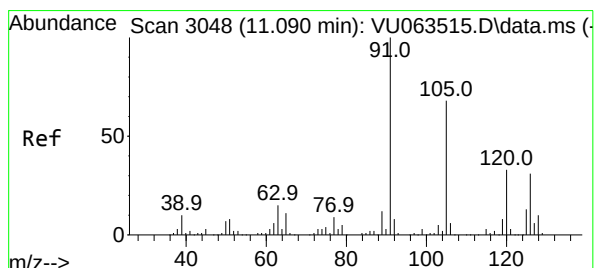
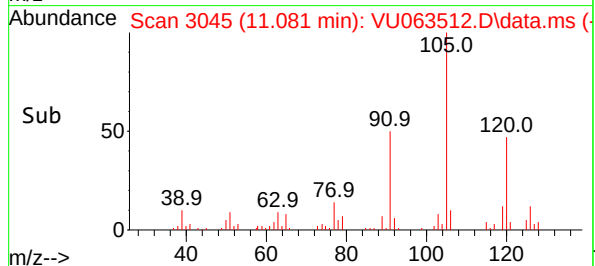
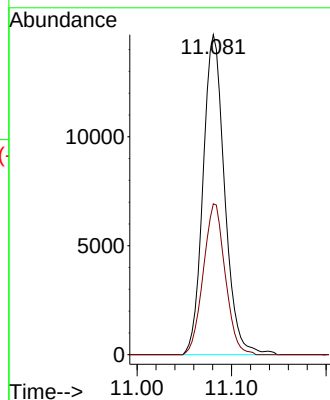
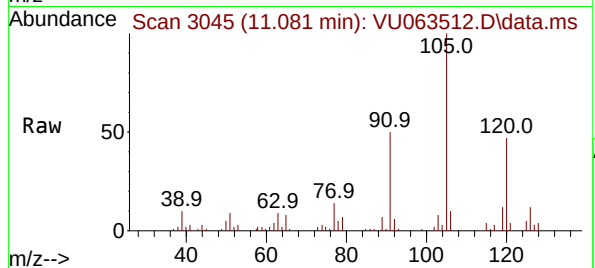
120 47.9 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 0.967 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VU063512.D

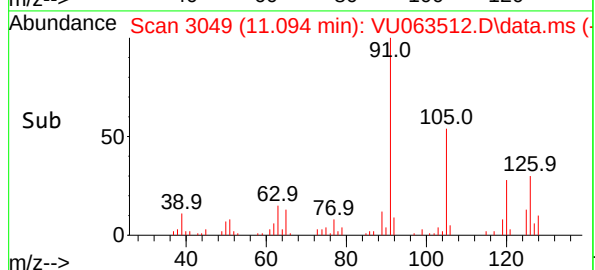
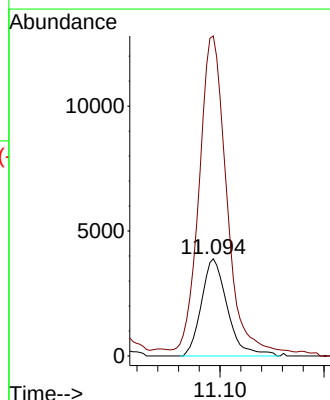
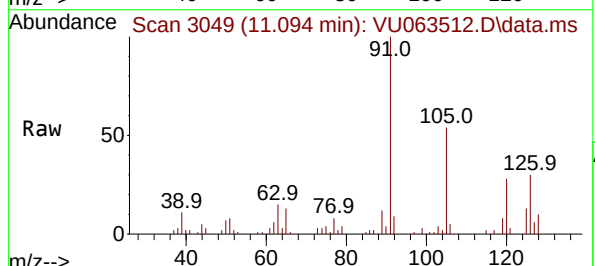
Acq: 16 Jul 2025 09:54

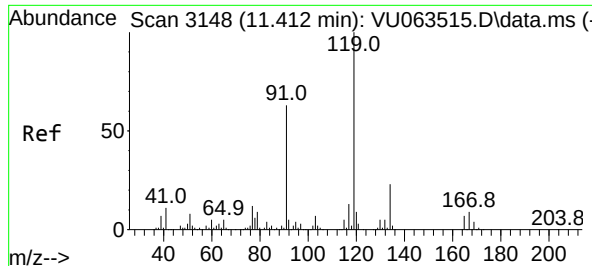
Tgt Ion:126 Resp: 6734

Ion Ratio Lower Upper

126 100

91 339.5 0.0 682.2





#77

tert-Butylbenzene

Concen: 0.942 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

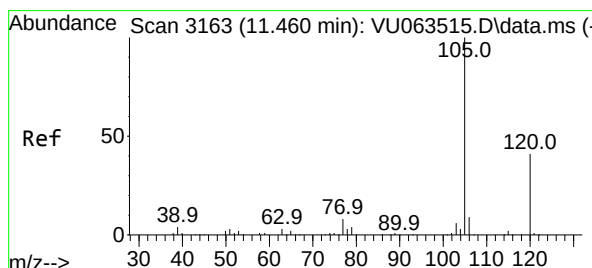
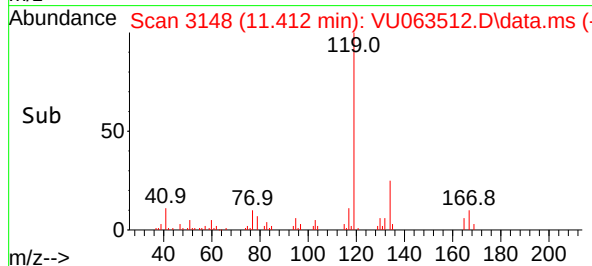
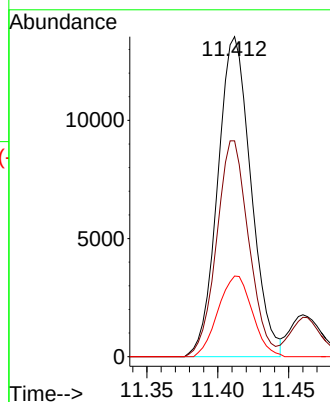
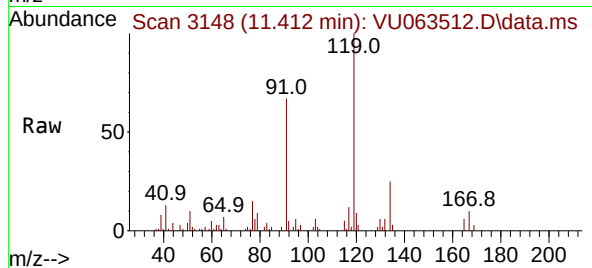
ClientSampleId :

VSTDIC001

Tgt Ion:	119	Resp:	2217
Ion Ratio	Lower	Upper	
119	100		
91	65.0	30.7	92.1
134	25.8	18.5	27.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 0.946 ug/l

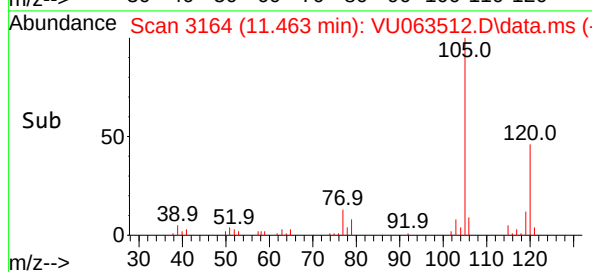
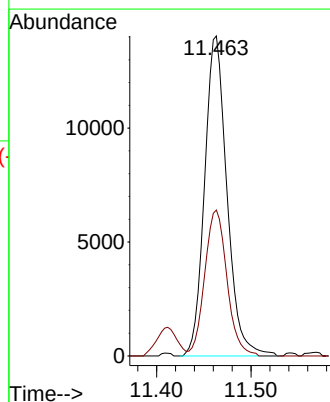
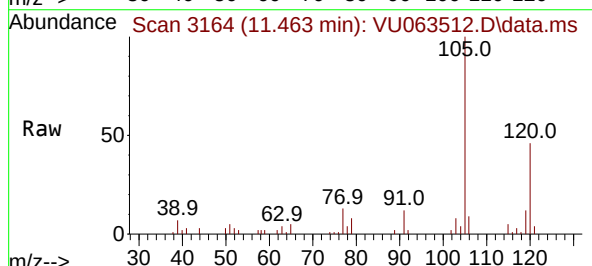
RT: 11.463 min Scan# 3164

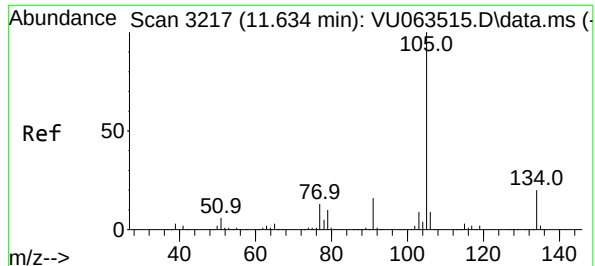
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	105	Resp:	23102
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.7	68.0





#79

sec-Butylbenzene

Concen: 0.974 ug/l

RT: 11.637 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3090

Ion Ratio Lower Upper

105 100

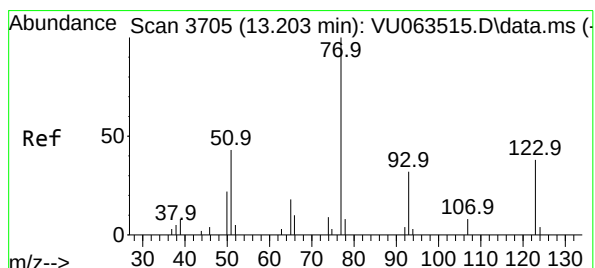
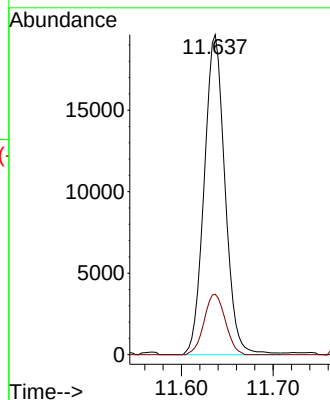
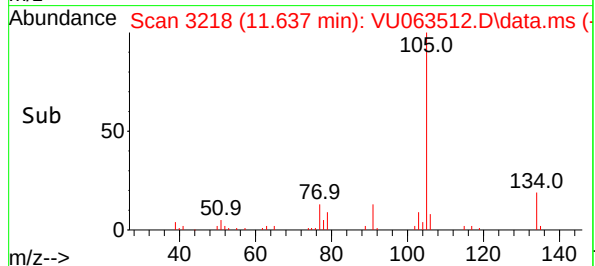
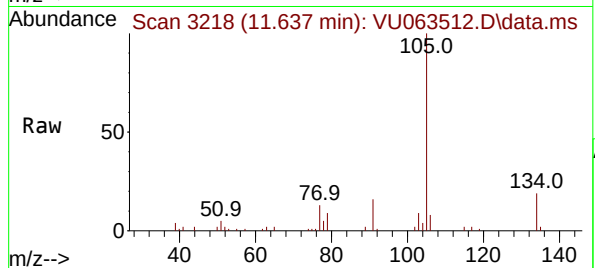
134 19.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 5.705 ug/l m

RT: 13.232 min Scan# 3714

Delta R.T. 0.029 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

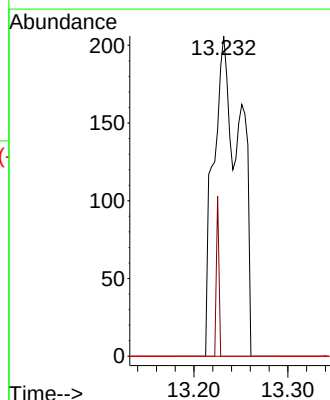
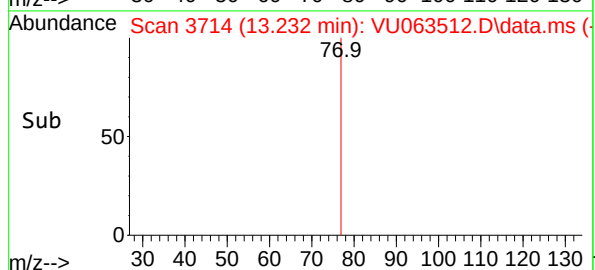
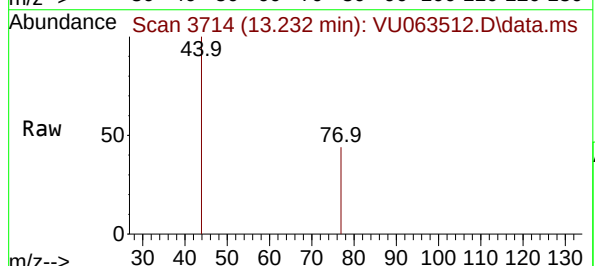
Tgt Ion: 77 Resp: 400

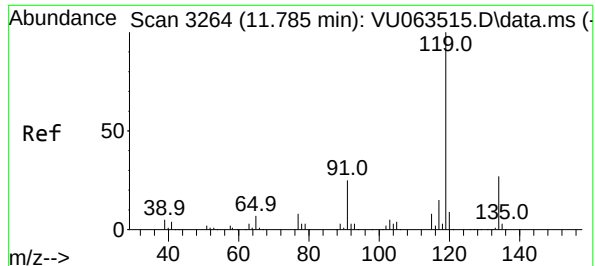
Ion Ratio Lower Upper

77 100

123 5.0 16.9 59.7#

65 0.0 16.5 20.9#





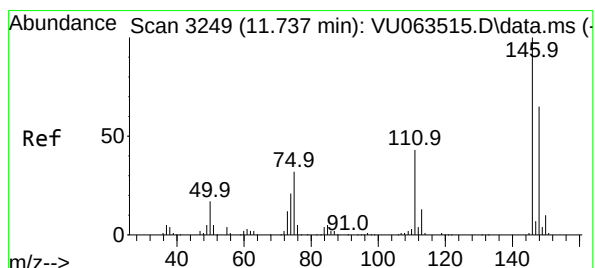
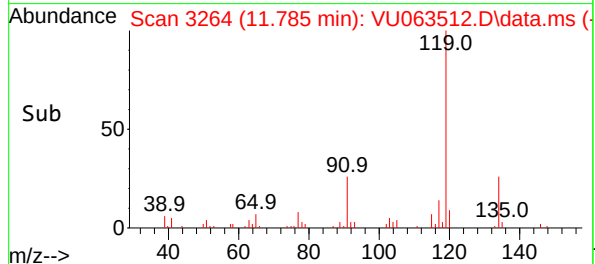
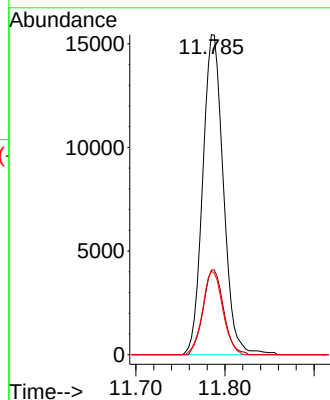
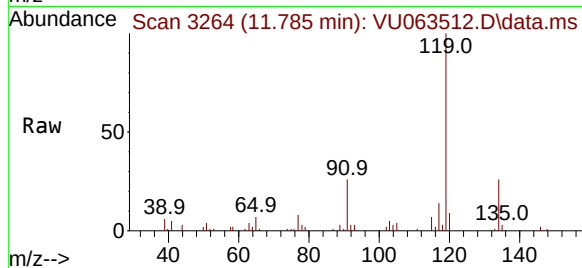
#81
p-Isopropyltoluene
Concen: 0.936 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 24799
Ion Ratio Lower Upper
119 100
134 26.2 21.1 31.7
91 25.6 19.8 29.8

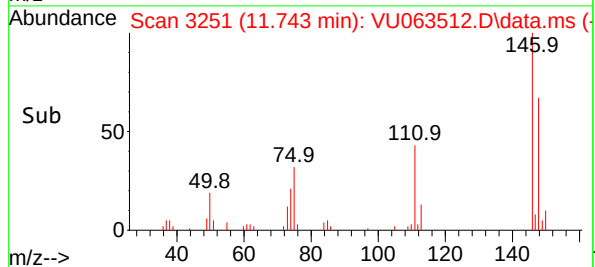
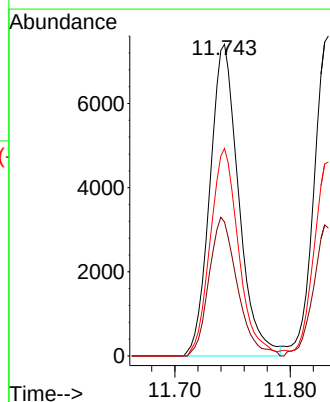
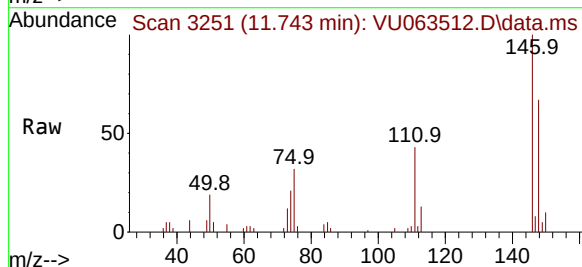
Manual Integrations
APPROVED

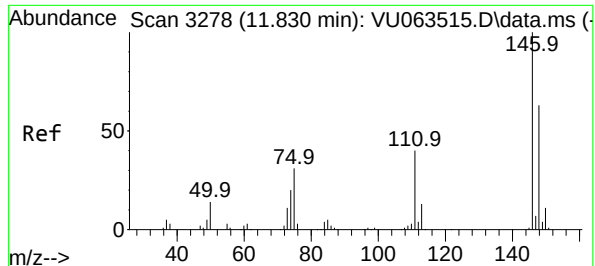
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#82
1,3-Dichlorobenzene
Concen: 0.964 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VU063512.D
Acq: 16 Jul 2025 09:54

Tgt Ion:146 Resp: 12830
Ion Ratio Lower Upper
146 100
111 43.7 33.8 50.6
148 65.6 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 0.964 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU063512.D

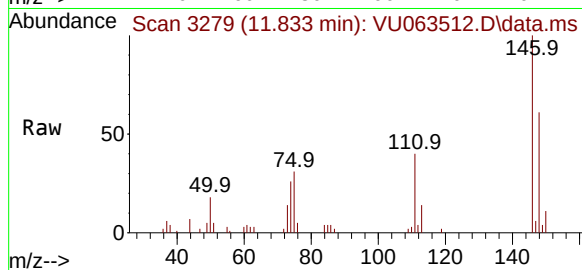
Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001



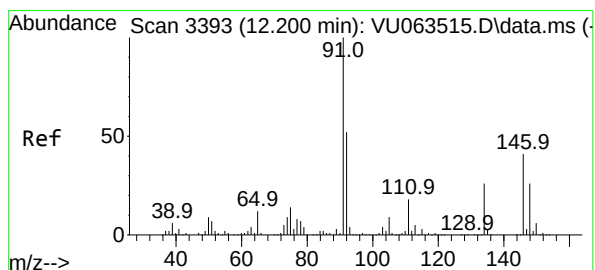
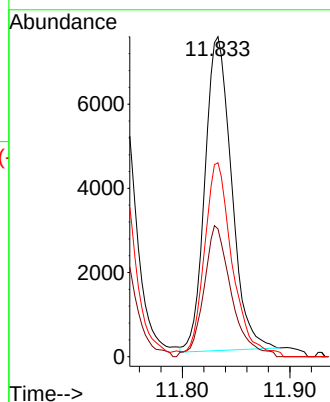
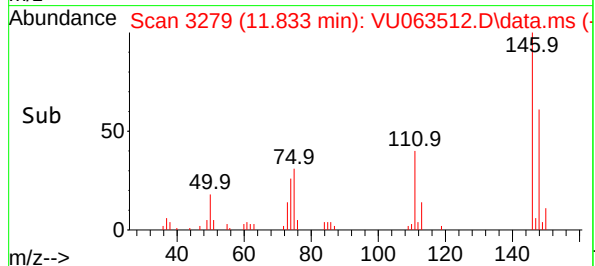
Tgt Ion:146 Resp: 1284

Ion	Ratio	Lower	Upper
146	100		
111	42.8	32.0	48.0
148	64.6	50.2	75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

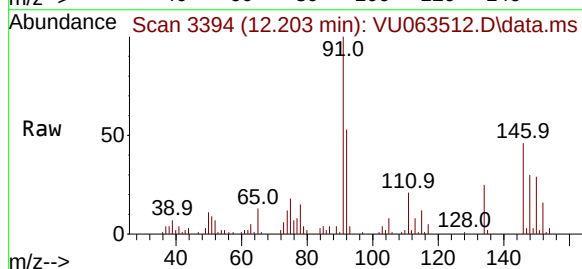
Concen: 0.917 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

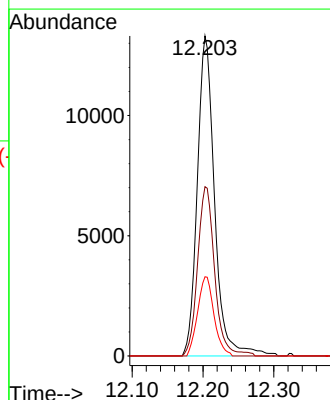
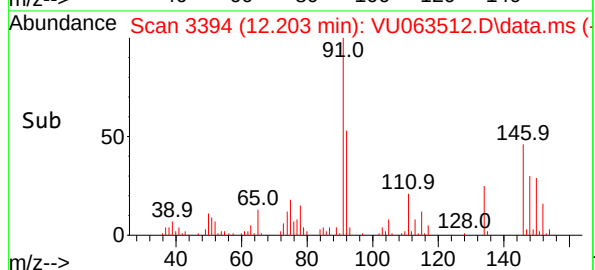
Lab File: VU063512.D

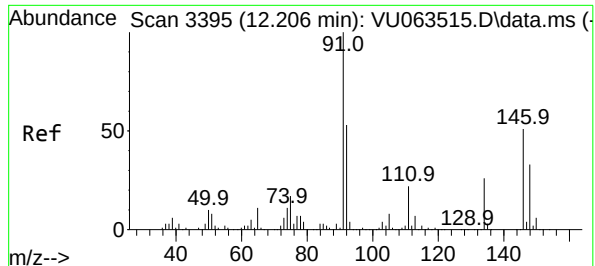
Acq: 16 Jul 2025 09:54



Tgt Ion: 91 Resp: 22541

Ion	Ratio	Lower	Upper
91	100		
92	52.3	41.5	62.3
134	23.4	20.6	30.8





#85

1,2-Dichlorobenzene

Concen: 0.965 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

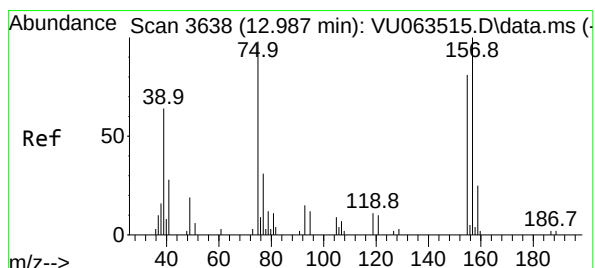
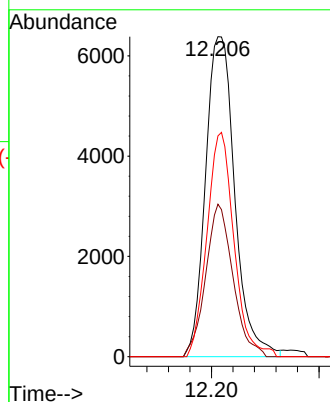
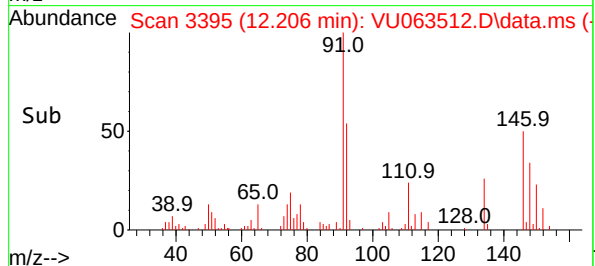
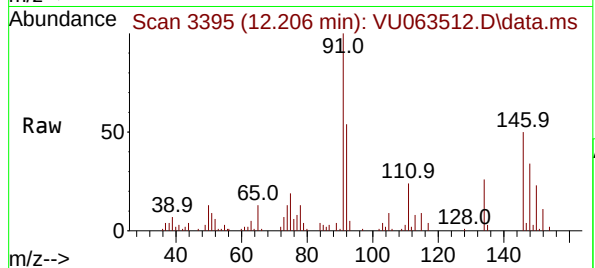
ClientSampleId :

VSTDICC001

Tgt Ion:	146	Resp:	1207
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.7	65.1
148	64.8	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.991 ug/l

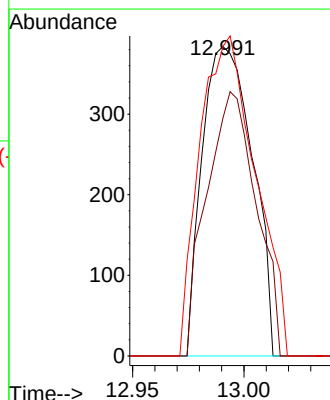
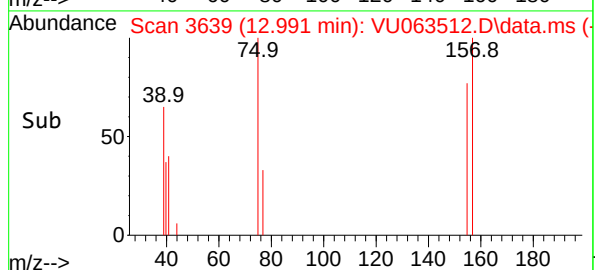
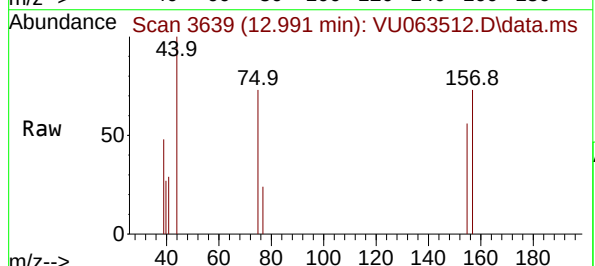
RT: 12.991 min Scan# 3639

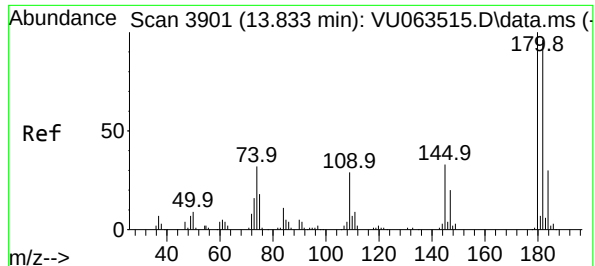
Delta R.T. 0.004 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	75	Resp:	603
Ion	Ratio	Lower	Upper
75	100		
155	84.2	65.8	98.6
157	114.8	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 0.903 ug/l

RT: 13.839 min Scan# 3901

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

ClientSampleId :

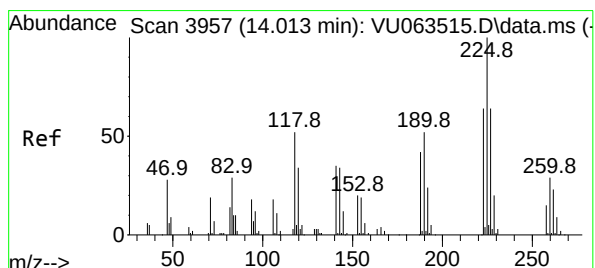
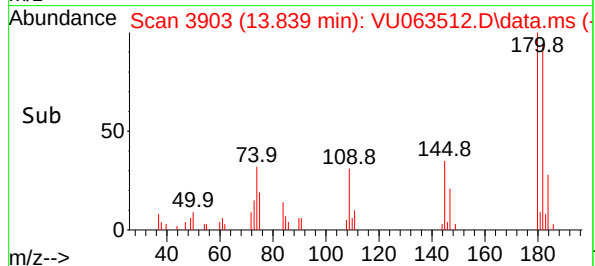
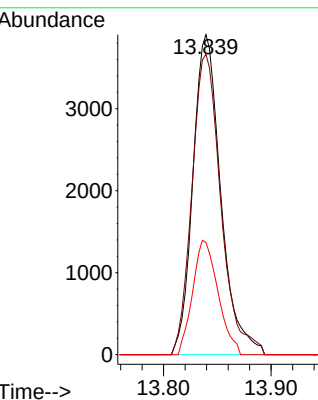
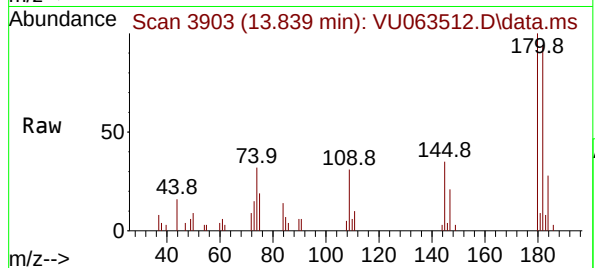
VSTDIC001

Tgt Ion:	180	Resp:	7020
Ion Ratio	Lower	Upper	
180	100		
182	97.5	76.2	114.4
145	32.6	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 0.938 ug/l

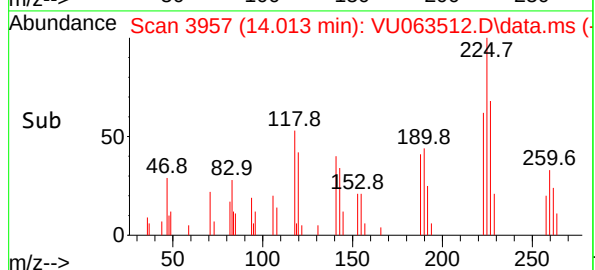
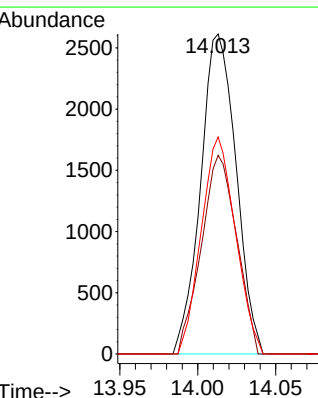
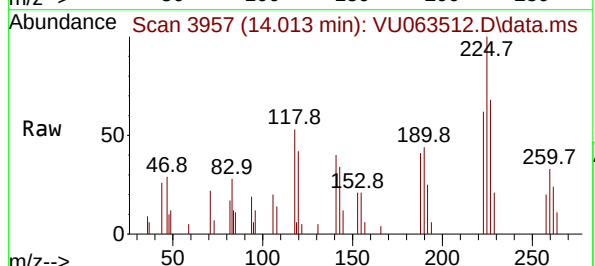
RT: 14.013 min Scan# 3957

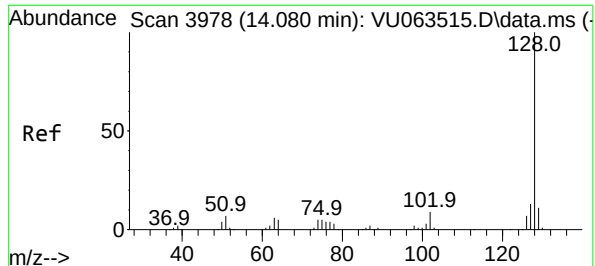
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	225	Resp:	4144
Ion Ratio	Lower	Upper	
225	100		
223	61.8	50.8	76.2
227	65.3	51.0	76.6





#89

Naphthalene

Concen: 0.859 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA_U

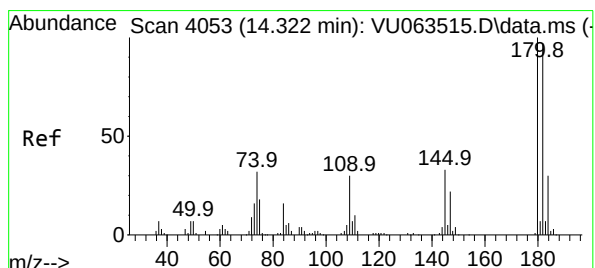
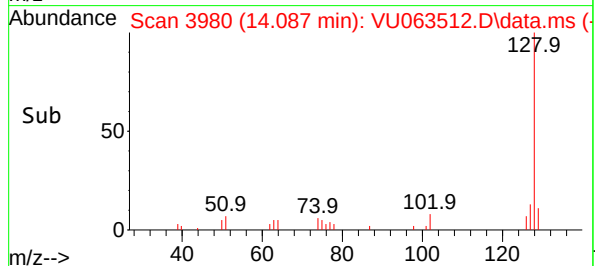
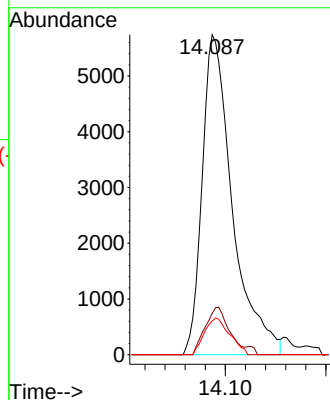
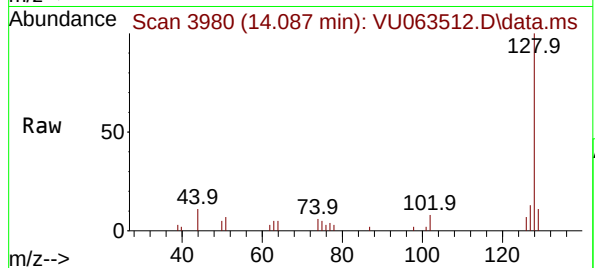
ClientSampleId :

VSTDIC001

Tgt Ion:	128	Resp:	1196
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.2	15.4
129	9.6	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#90

1,2,3-Trichlorobenzene

Concen: 0.920 ug/l

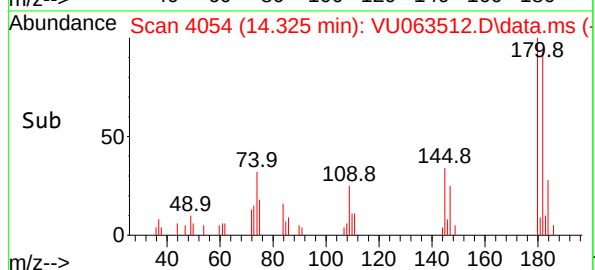
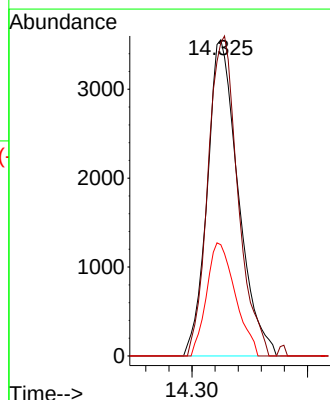
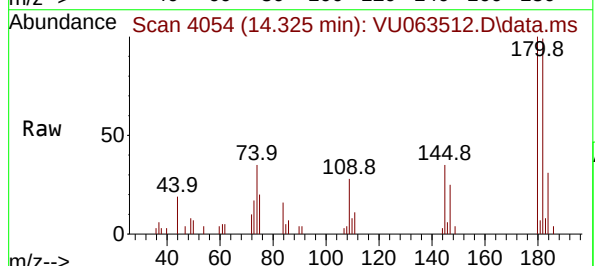
RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:	180	Resp:	6612
Ion Ratio	Lower	Upper	
180	100		
182	97.4	78.0	117.0
145	33.1	27.3	40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063513.D
 Acq On : 16 Jul 2025 10:27
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 17 03:23:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	24713	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	8919	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8064	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	13901	1.908	ug/l	99
3) Chloromethane	1.515	50	12922	1.908	ug/l	96
4) Vinyl Chloride	1.596	62	16476	1.910	ug/l	95
5) Bromomethane	1.846	94	13182	2.026	ug/l	99
6) Chloroethane	1.924	64	9817	1.885	ug/l	99
7) Trichlorofluoromethane	2.126	101	23274	1.879	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	12436	1.921	ug/l	99
9) 1,1-Dichloroethene	2.567	96	11909	1.856	ug/l	98
10) Iodomethane	2.708	142	11910	2.044	ug/l	99
11) Allyl Chloride	2.908	41	19248	2.077	ug/l	94
12) Acrylonitrile	3.306	53	6375m	3.971	ug/l	
13) Acetone	2.618	43	12988	10.102	ug/l	99
14) Carbon Disulfide	2.776	76	38838	1.874	ug/l	97
15) Methylene Chloride	3.030	84	14190	1.878	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	13749	1.887	ug/l	99
17) 1,1-Dichloroethane	3.846	63	25721	1.904	ug/l	99
18) 2-Butanone	4.715	43	19497	9.792	ug/l	98
19) Cyclohexane	5.358	56	21512	1.881	ug/l	98
20) Methylcyclohexane	6.743	83	19848	1.786	ug/l	97
21) 2,2-Dichloropropane	4.644	77	22099	1.922	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	14739	1.864	ug/l	98
23) Diethyl Ether	2.367	59	9590	1.962	ug/l	97
24) tert-Butyl Alcohol	3.190	59	11035	18.698	ug/l #	93
25) Methyl tert-Butyl Ether	3.361	73	31927	1.906	ug/l	98
26) Bromochloromethane	4.956	128	6299	1.908	ug/l	95
27) Chloroform	5.071	83	26561	1.927	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	22170	1.895	ug/l	99
29) 1,1-Dichloropropene	5.502	75	21342	1.970	ug/l	95
30) Carbon Tetrachloride	5.499	117	17885	1.900	ug/l	93
31) Isopropyl Ether	3.988	45	39017	1.914	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	36341	1.926	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	32364	1.977	ug/l	99
34) Propionitrile	4.772	54	5922	9.762	ug/l	98
35) Benzene	5.753	78	57563	1.977	ug/l	100
36) 1,2-Dichloroethane	5.782	62	17934	1.982	ug/l	100
37) Trichloroethene	6.528	130	13293	1.790	ug/l	97
38) 1,2-Dichloropropane	6.782	63	12386	1.818	ug/l	97
39) Methacrylonitrile	4.968	41	5277	1.982	ug/l	93
40) Methyl acrylate	4.846	55	6918	1.755	ug/l	96
41) Tetrahydrofuran	5.065	42	5330	3.757	ug/l	96
42) 1-Chlorobutane	5.438	56	27320	1.896	ug/l	100
43) Dibromomethane	6.907	93	6494	1.840	ug/l	94
44) Bromodichloromethane	7.097	83	14822	1.862	ug/l #	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063513.D
 Acq On : 16 Jul 2025 10:27
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:23:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	33590	9.233	ug/l	100
46) t-1,4-Dichloro-2-butene	10.824	75	4957m	3.841	ug/l	
47) Methyl methacrylate	6.968	69	10710	3.613	ug/l	96
48) Ethyl methacrylate	8.335	69	10760	1.902	ug/l	97
49) Toluene	7.959	92	29457	1.853	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	11035	1.767	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	14409	1.719	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	8889	1.871	ug/l	98
53) 1,3-Dichloropropane	8.570	76	15693	1.913	ug/l	99
54) 2-Hexanone	8.692	43	21569	8.926	ug/l	98
55) Dibromochloromethane	8.801	129	9158	1.824	ug/l	99
56) 1,2-Dibromoethane	8.920	107	7956	1.871	ug/l	99
58) Tetrachloroethene	8.541	164	13165	1.936	ug/l	95
59) Chlorobenzene	9.441	112	33922	1.858	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	10771	1.835	ug/l	98
61) Pentachloroethane	11.418	117	7292	1.758	ug/l	93
62) Hexachloroethane	12.467	117	7073	1.722	ug/l	93
63) Ethyl Benzene	9.563	91	58862	1.874	ug/l	100
64) m/p-Xylenes	9.685	106	45864	3.756	ug/l	97
65) o-Xylene	10.094	106	21340	1.819	ug/l	98
66) Styrene	10.110	104	34112	1.824	ug/l	96
67) Bromoform	10.283	173	4536	1.759	ug/l #	92
69) Isopropylbenzene	10.476	105	52260	1.842	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	10710	1.852	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	8980m	1.903	ug/l	
72) Bromobenzene	10.775	156	13109	1.791	ug/l	79
73) n-propylbenzene	10.901	120	15950	1.868	ug/l	98
74) 2-Chlorotoluene	10.978	126	14070	1.864	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	50061	1.847	ug/l	98
76) 4-Chlorotoluene	11.094	126	14644	1.911	ug/l	91
77) tert-Butylbenzene	11.412	119	48176	1.860	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	49637	1.846	ug/l	99
79) sec-Butylbenzene	11.634	105	64443	1.845	ug/l	98
80) Nitrobenzene	13.219	77	861	9.644	ug/l #	78
81) p-Isopropyltoluene	11.785	119	53922	1.850	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	26844	1.833	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	26650	1.818	ug/l	98
84) n-Butylbenzene	12.203	91	48694	1.801	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	24834	1.805	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1550	2.046	ug/l	91
87) 1,2,4-Trichlorobenzene	13.836	180	15327	1.791	ug/l	97
88) Hexachlorobutadiene	14.013	225	8872	1.826	ug/l	98
89) Naphthalene	14.087	128	25691	1.675	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	13999	1.770	ug/l	99

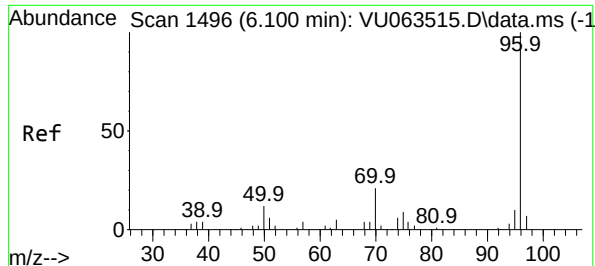
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025





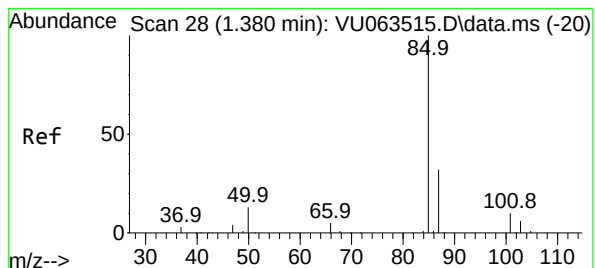
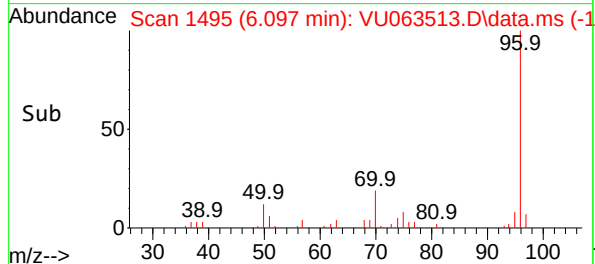
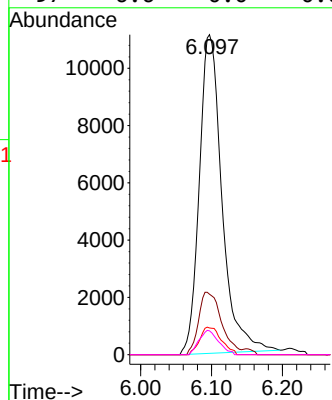
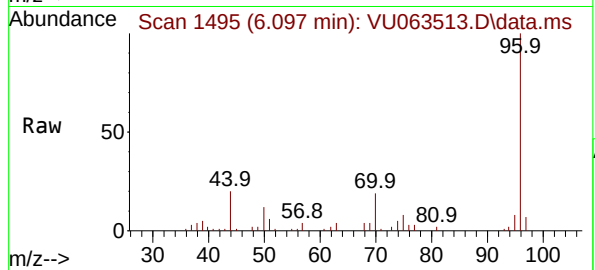
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 96 Resp: 2471
Ion Ratio Lower Upper
96 100
70 18.2 15.0 22.4
95 8.2 7.4 11.0
97 6.6 0.0 0.0#

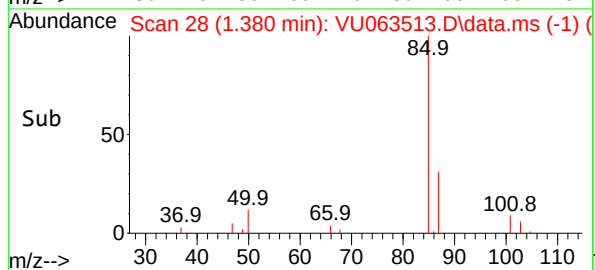
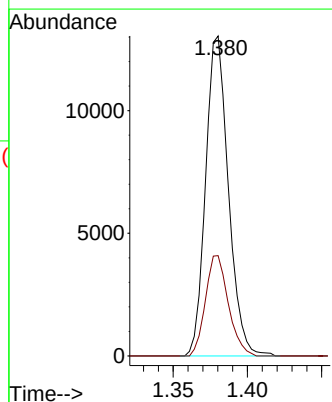
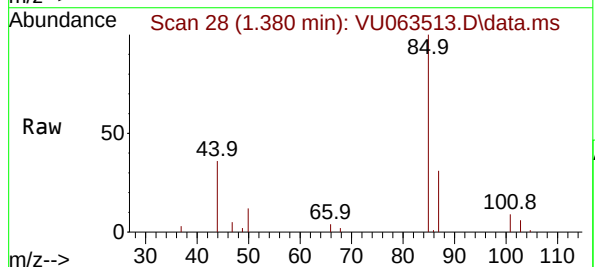
Manual Integrations
APPROVED

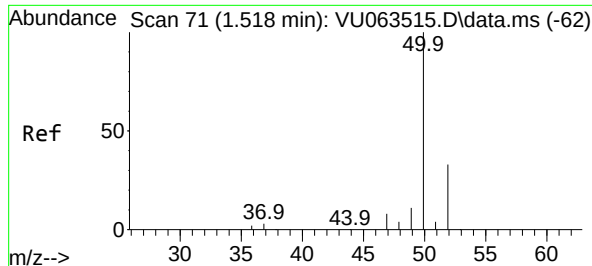
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 1.908 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion: 85 Resp: 13901
Ion Ratio Lower Upper
85 100
87 31.3 16.0 47.9





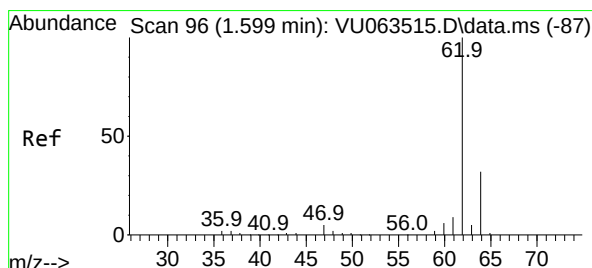
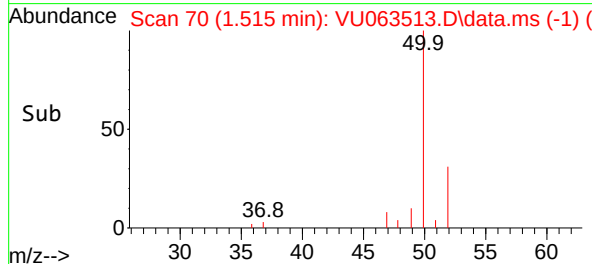
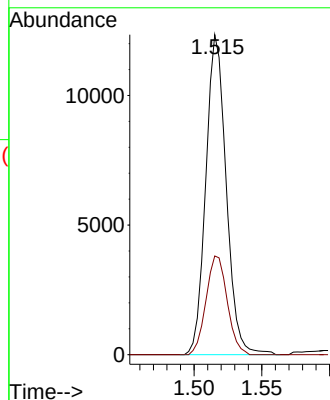
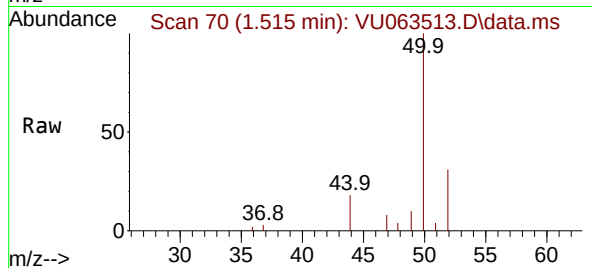
#3
Chloromethane
Concen: 1.908 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 50 Resp: 1292
Ion Ratio Lower Upper
50 100
52 30.8 26.3 39.5

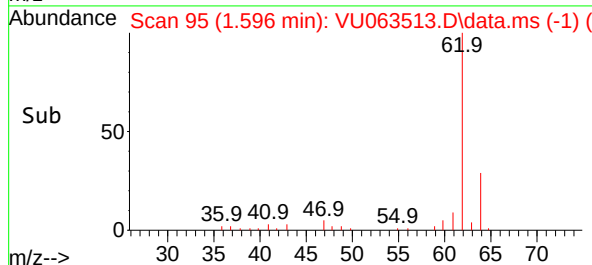
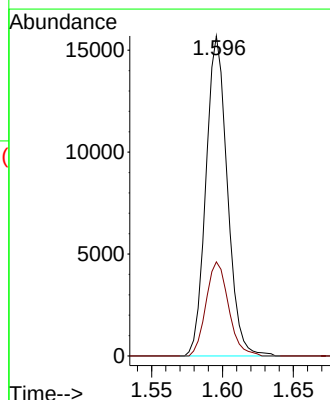
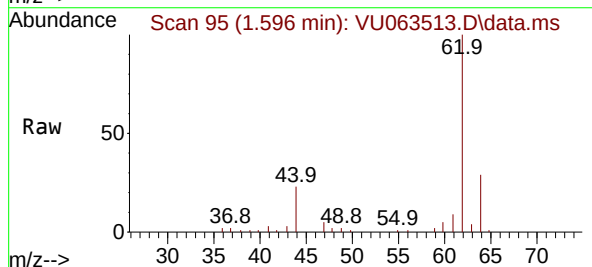
Manual Integrations
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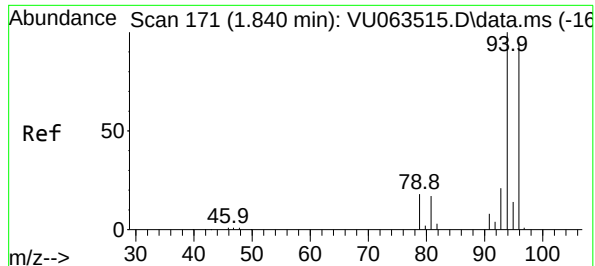
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 1.910 ug/l
RT: 1.596 min Scan# 95
Delta R.T. -0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion: 62 Resp: 16476
Ion Ratio Lower Upper
62 100
64 29.4 25.7 38.5





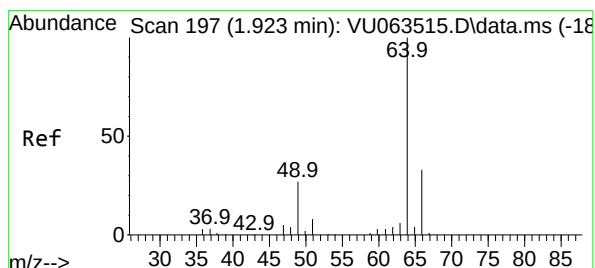
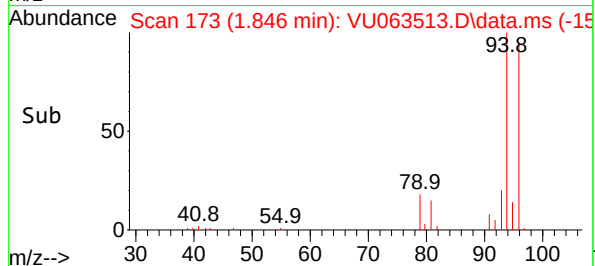
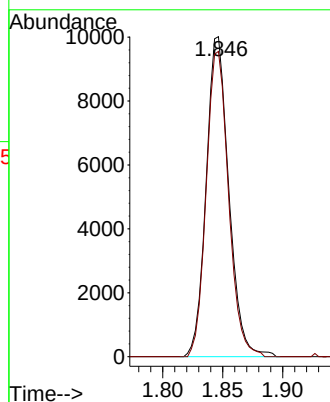
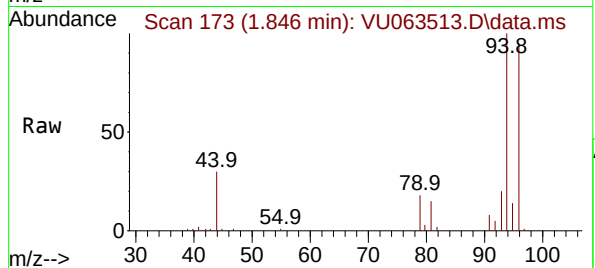
#5
Bromomethane
Concen: 2.026 ug/l
RT: 1.846 min Scan# 171
Delta R.T. 0.007 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 94 Resp: 1318
Ion Ratio Lower Upper
94 100
96 95.4 75.8 113.6

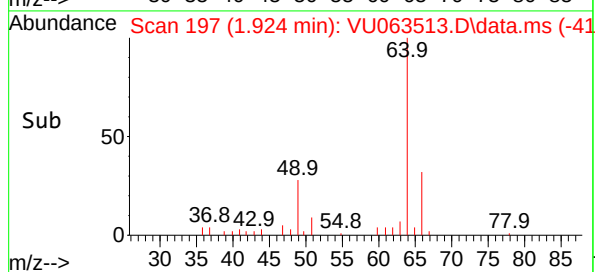
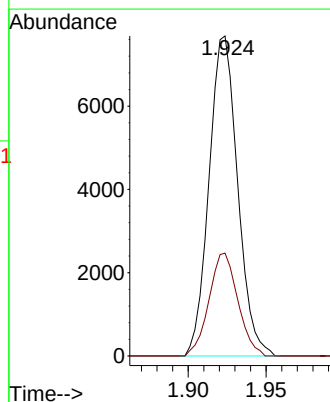
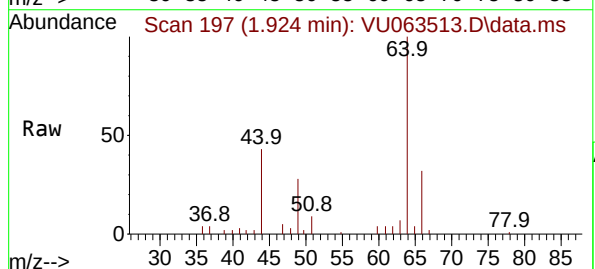
Manual Integrations
APPROVED

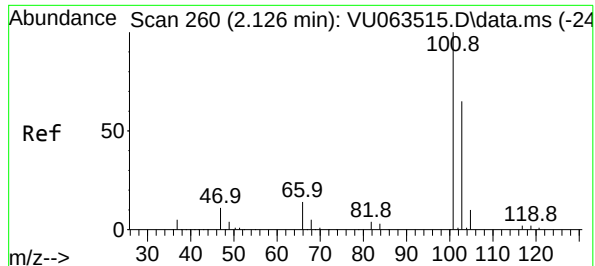
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#6
Chloroethane
Concen: 1.885 ug/l
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion: 64 Resp: 9817
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





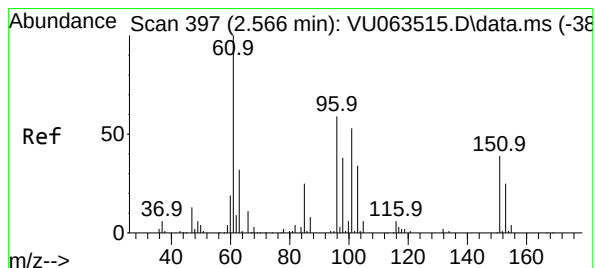
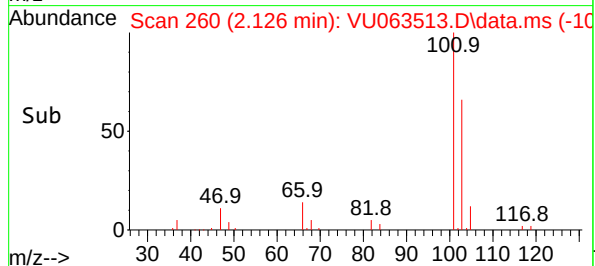
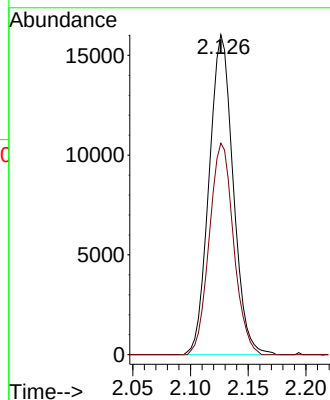
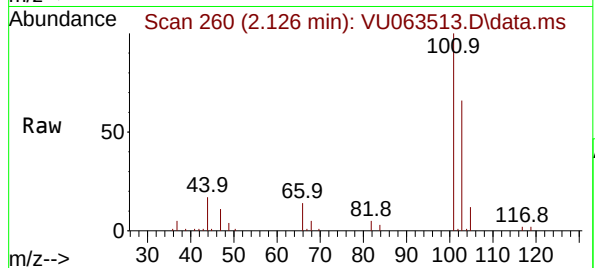
#7
Trichlorofluoromethane
Concen: 1.879 ug/l
RT: 2.126 min Scan# 201
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 23274
Ion Ratio Lower Upper
101 100
103 66.1 52.2 78.4

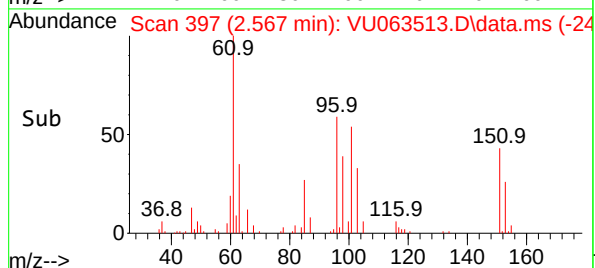
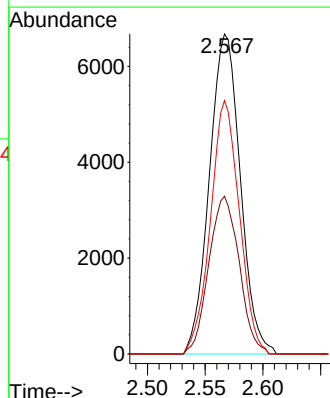
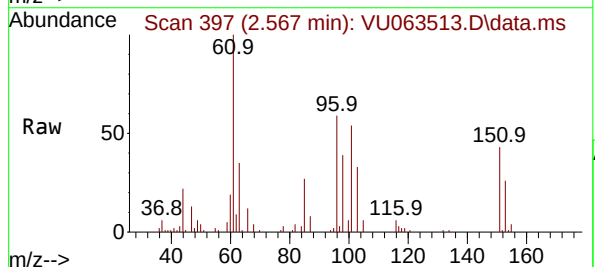
Manual Integrations
APPROVED

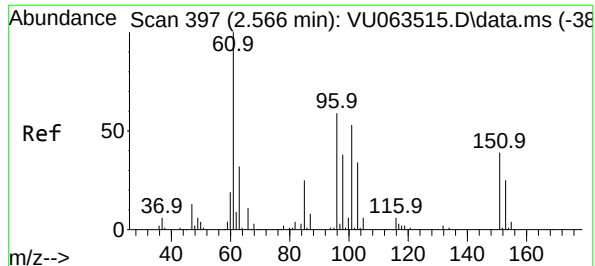
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.921 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:101 Resp: 12436
Ion Ratio Lower Upper
101 100
85 48.4 37.8 56.6
151 74.0 59.2 88.8





#9

1,1-Dichloroethene

Concen: 1.856 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

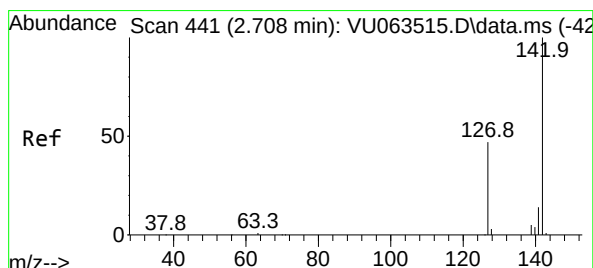
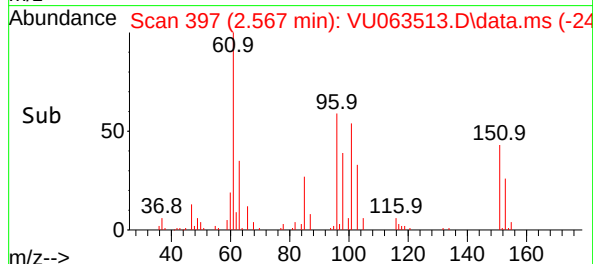
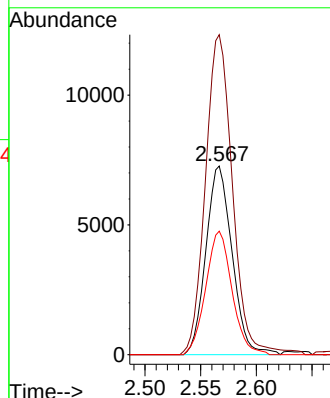
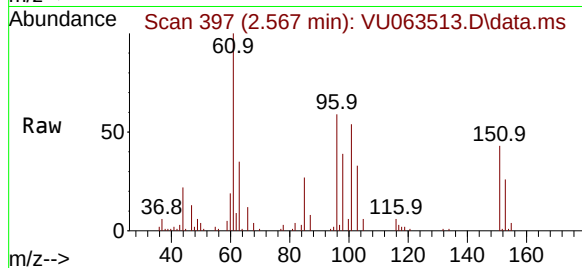
VSTDIC002

Tgt Ion:	96	Resp:	1190
Ion	Ratio	Lower	Upper
96	100		
61	169.6	0.0	504.3
98	65.5	0.0	126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 2.044 ug/l

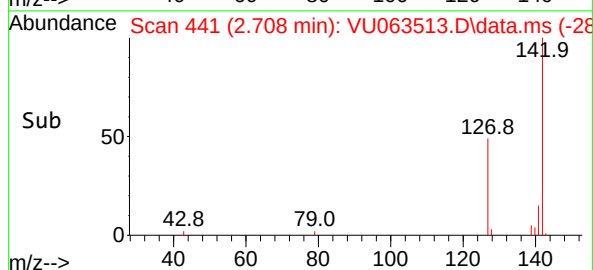
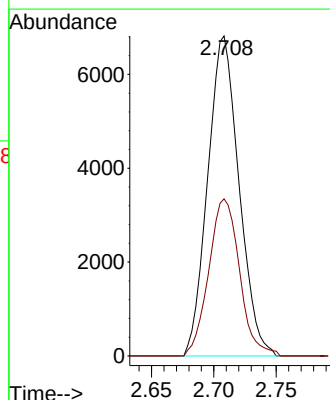
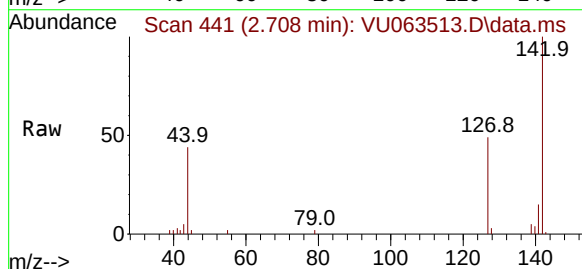
RT: 2.708 min Scan# 441

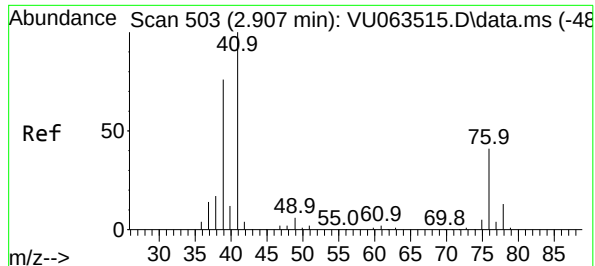
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	142	Resp:	11910
Ion	Ratio	Lower	Upper
142	100		
127	48.3	37.9	56.9





#11

Allyl Chloride

Concen: 2.077 ug/l

RT: 2.908 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

Client Sample Id :

VSTDIC002

Tgt Ion: 41 Resp: 1924

Ion Ratio Lower Upper

41 100

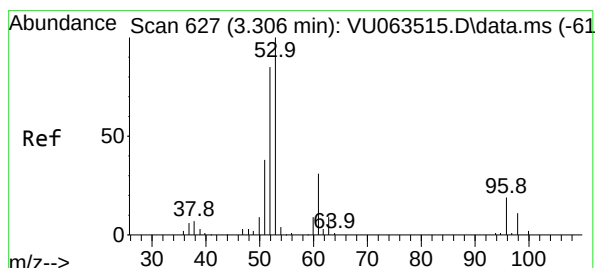
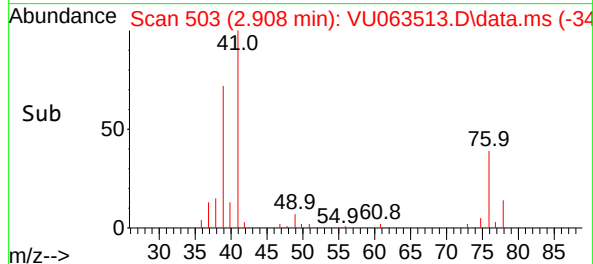
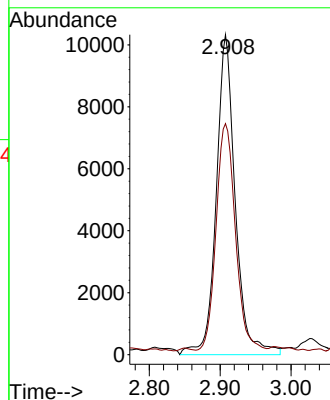
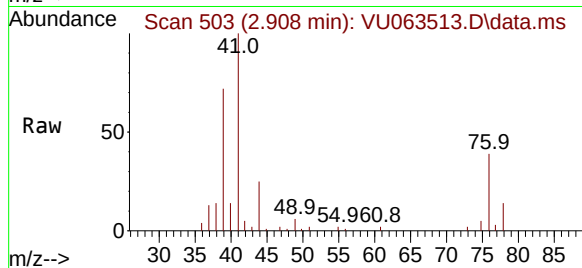
39 71.6 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#12

Acrylonitrile

Concen: 3.971 ug/l m

RT: 3.306 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

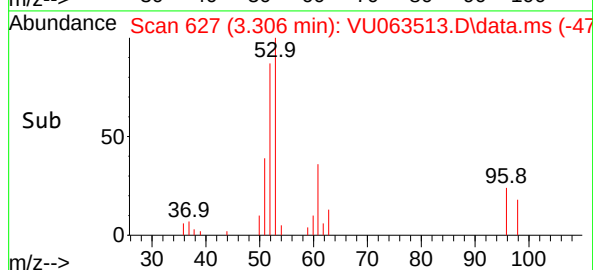
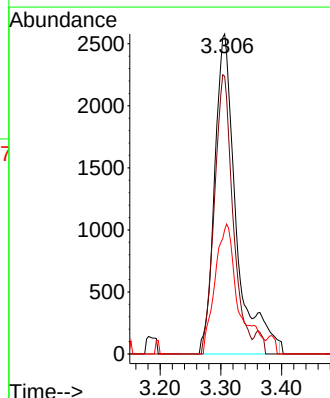
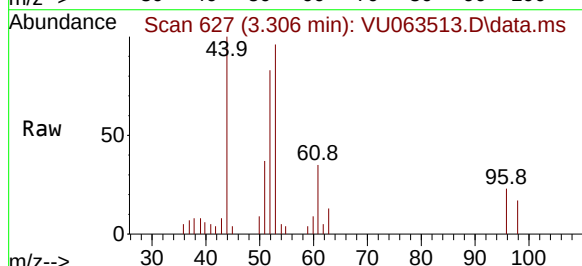
Tgt Ion: 53 Resp: 6375

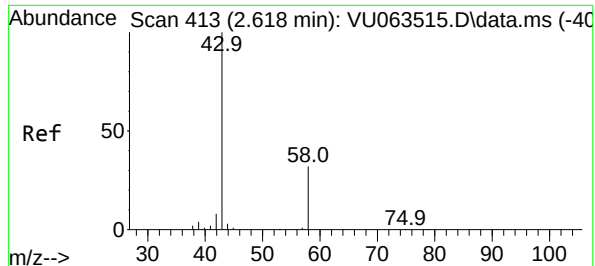
Ion Ratio Lower Upper

53 100

52 74.6 64.3 96.5

51 44.0 27.8 41.8





#13

Acetone

Concen: 10.102 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 12988

Ion Ratio Lower Upper

43

100

58

30.9

25.4

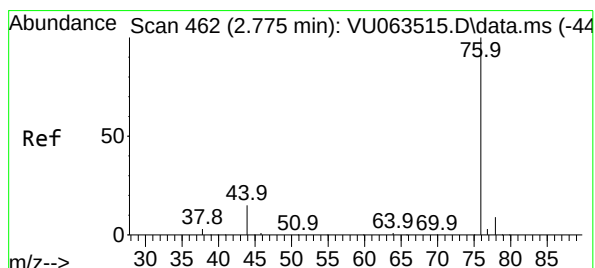
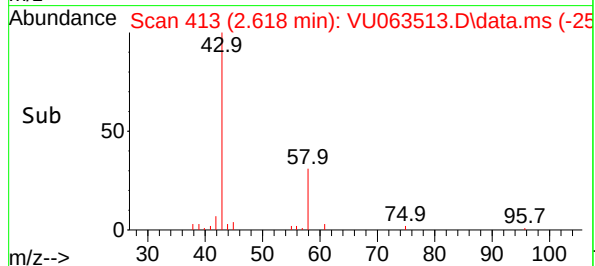
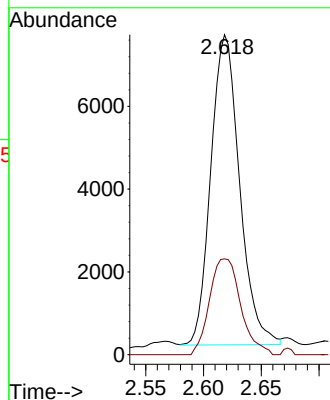
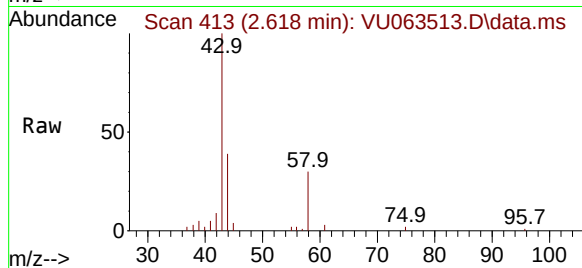
38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 1.874 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 76 Resp: 38838

Ion Ratio Lower Upper

76

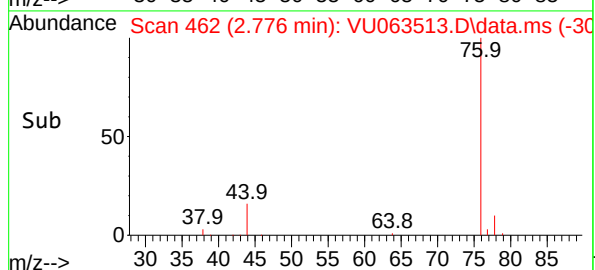
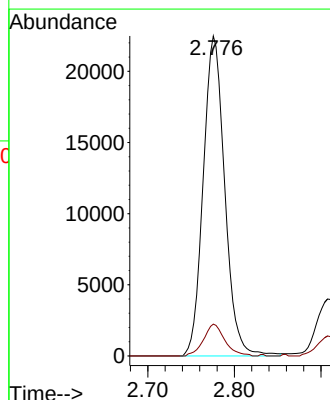
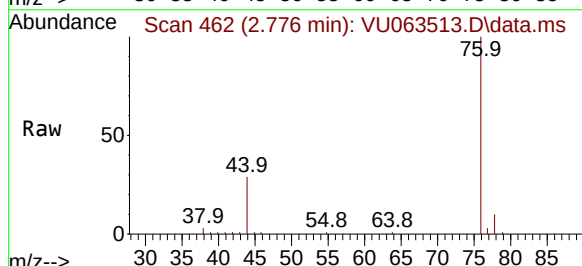
100

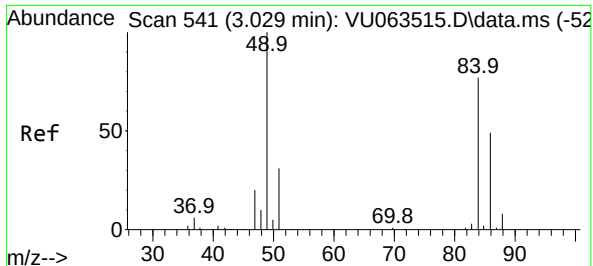
78

10.0

7.0

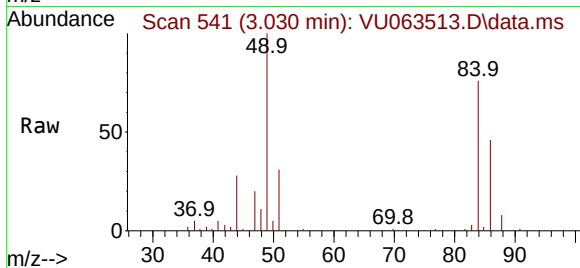
10.6





#15
Methylene Chloride
Concen: 1.878 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

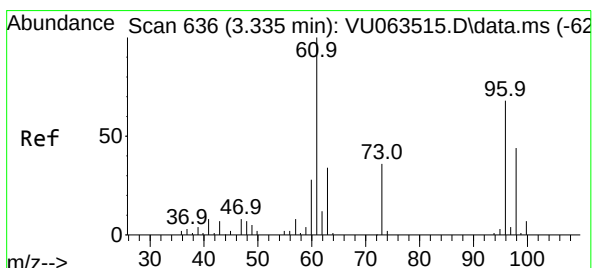
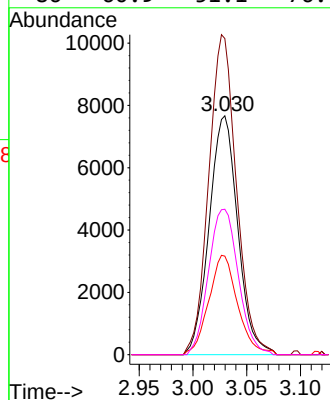
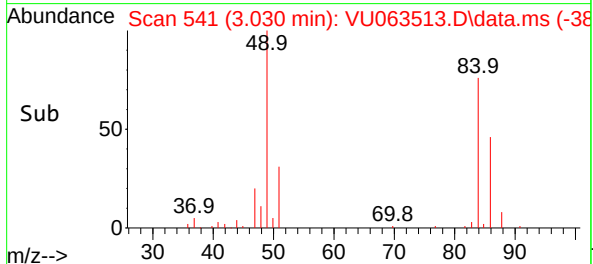
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



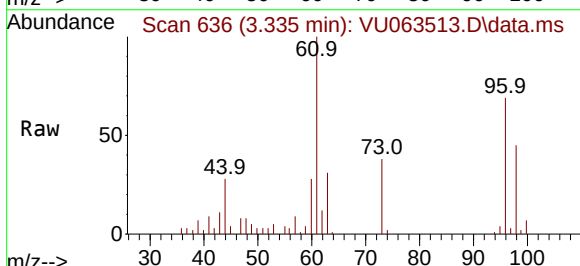
Tgt Ion: 84 Resp: 14190
Ion Ratio Lower Upper
84 100
49 132.3 103.8 155.8
51 41.2 0.0 80.4
86 60.9 51.1 76.7

Manual Integrations
APPROVED

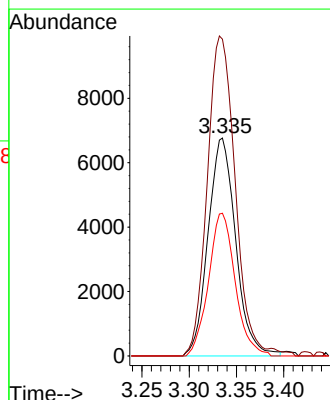
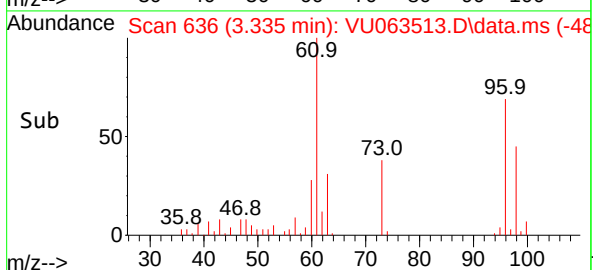
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

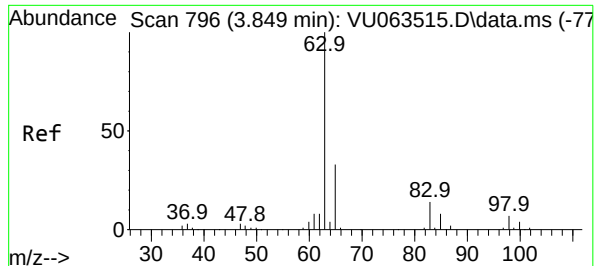


#16
trans-1,2-Dichloroethene
Concen: 1.887 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27



Tgt Ion: 96 Resp: 13749
Ion Ratio Lower Upper
96 100
61 145.4 117.2 175.8
98 65.5 51.4 77.2





#17

1,1-Dichloroethane

Concen: 1.904 ug/l

RT: 3.846 min Scan# 796

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

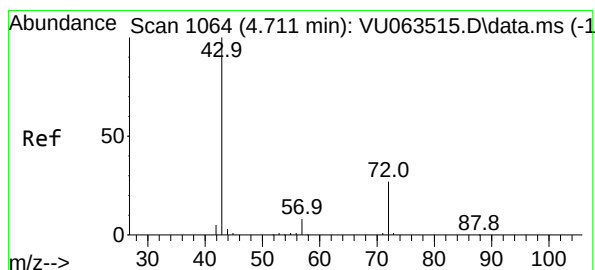
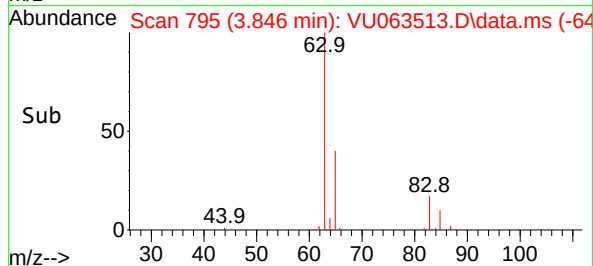
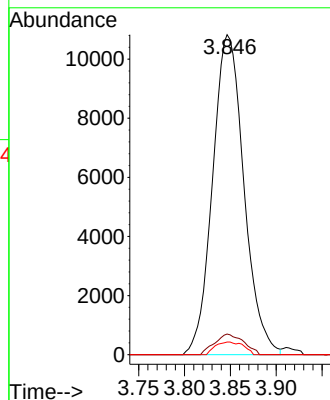
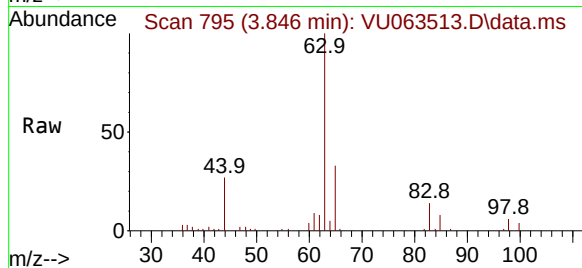
Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion:	63	Resp:	2572
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.4	10.2
100	3.9	2.1	6.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#18

2-Butanone

Concen: 9.792 ug/l

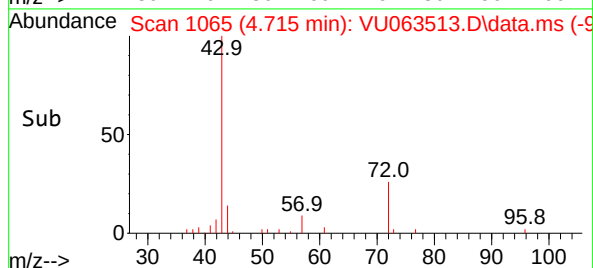
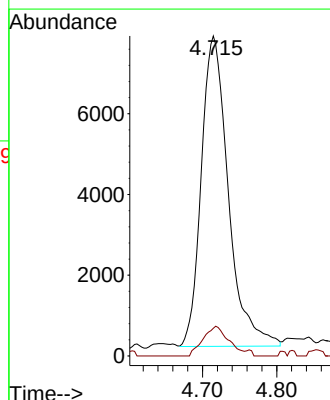
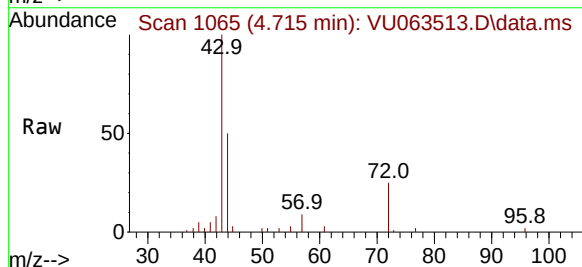
RT: 4.715 min Scan# 1065

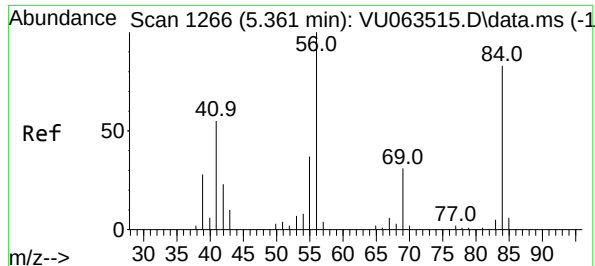
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	43	Resp:	19497
Ion Ratio	Lower	Upper	
43	100		
57	8.9	0.0	16.4





#19

Cyclohexane

Concen: 1.881 ug/l

RT: 5.358 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

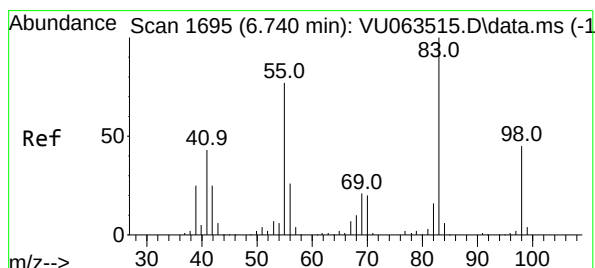
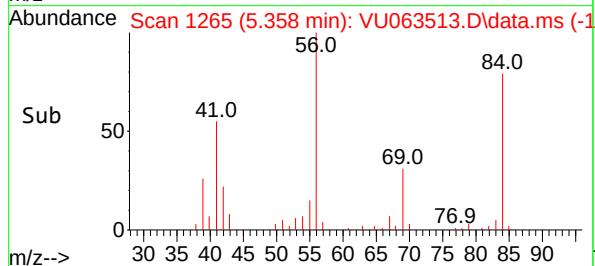
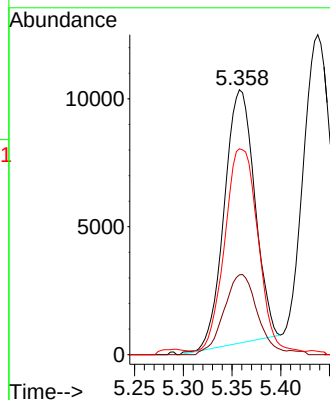
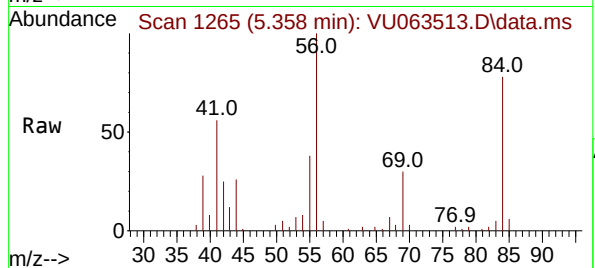
ClientSampleId :

VSTDIC002

Tgt Ion:	56	Resp:	2151
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.6	39.8
84	86.3	71.0	106.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 1.786 ug/l

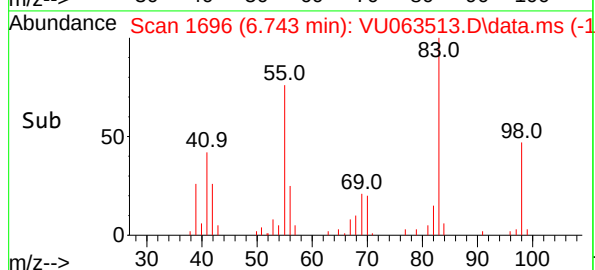
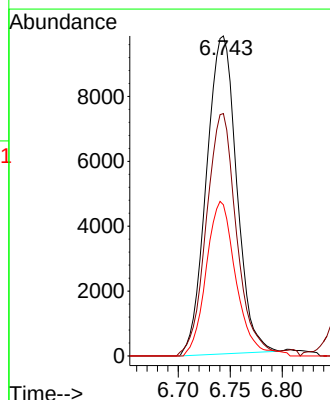
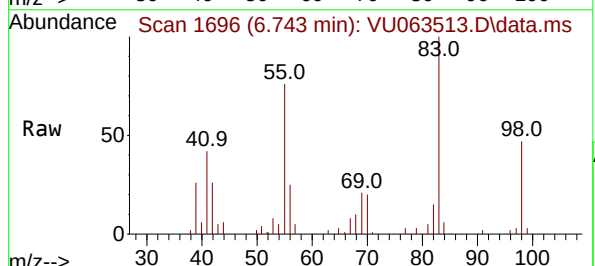
RT: 6.743 min Scan# 1696

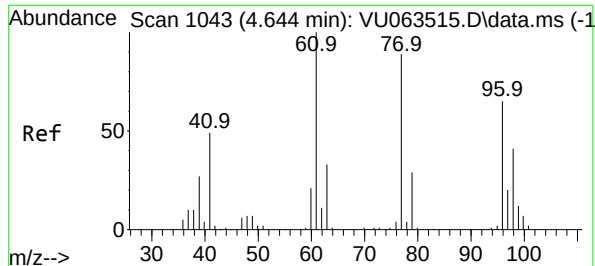
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	83	Resp:	19848
Ion	Ratio	Lower	Upper
83	100		
55	74.1	60.6	90.8
98	47.9	35.8	53.8





#21

2,2-Dichloropropane

Concen: 1.922 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 77 Resp: 22099

Ion Ratio Lower Upper

77 100

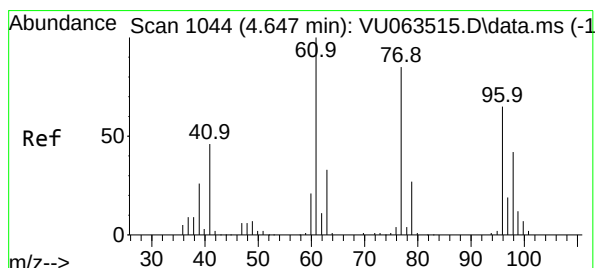
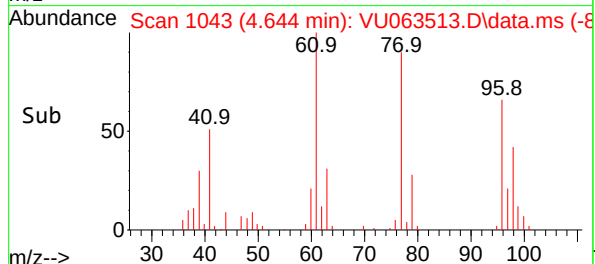
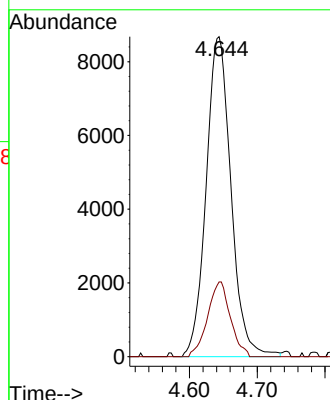
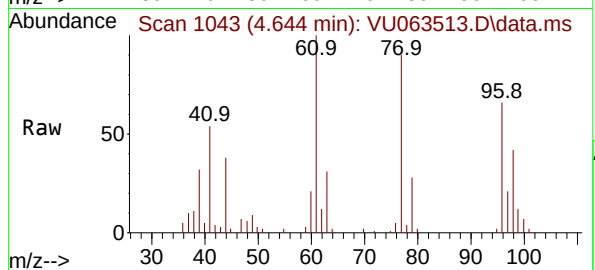
97 21.4 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 1.864 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

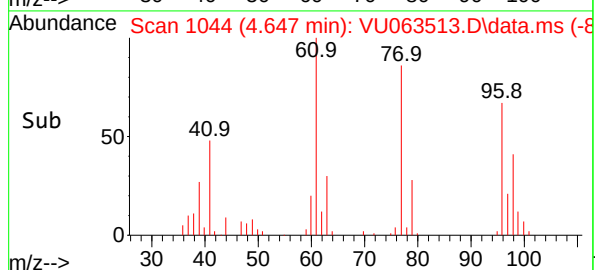
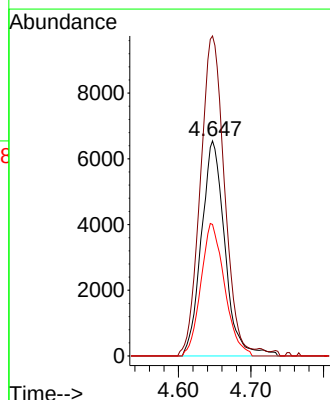
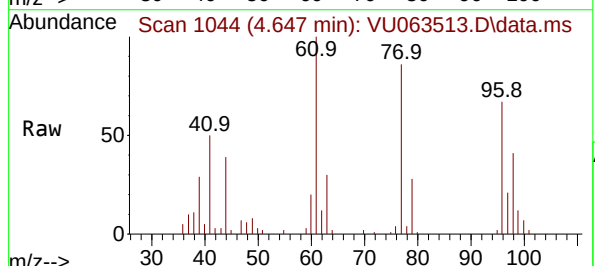
Tgt Ion: 96 Resp: 14739

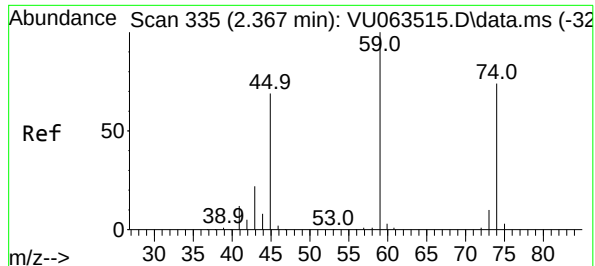
Ion Ratio Lower Upper

96 100

61 152.6 0.0 384.7

98 62.1 32.1 96.3





#23

Diethyl Ether

Concen: 1.962 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

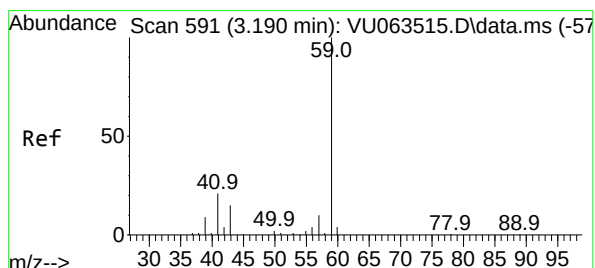
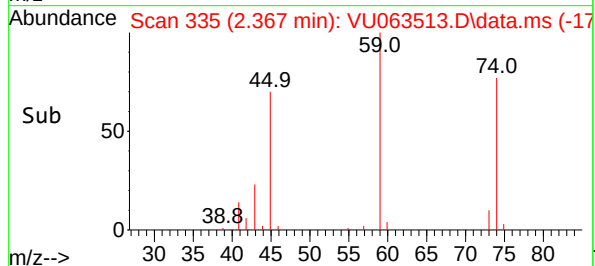
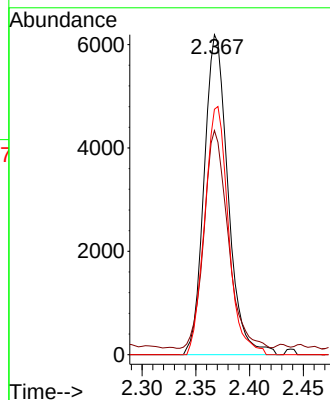
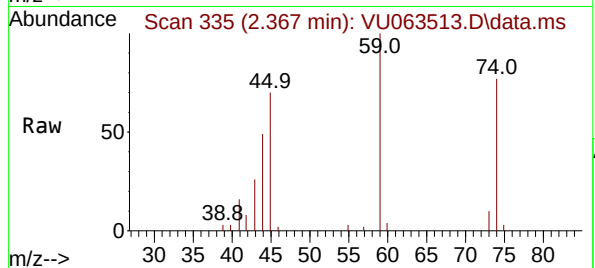
Tgt Ion:	59	Resp:	9590
Ion	Ratio	Lower	Upper
59	100		
45	68.4	55.1	82.7
74	76.9	58.2	87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 18.698 ug/l

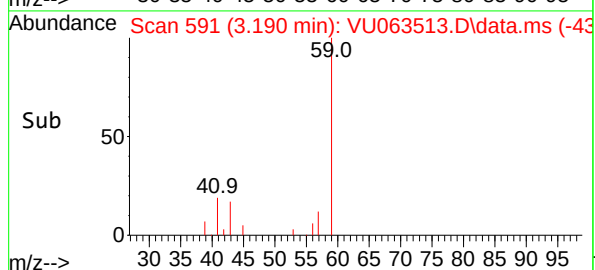
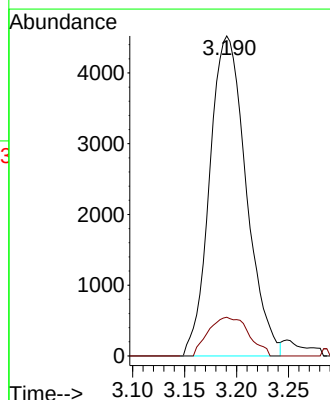
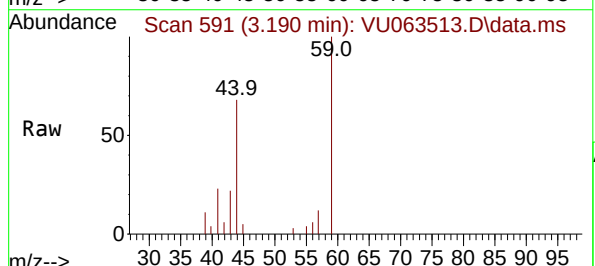
RT: 3.190 min Scan# 591

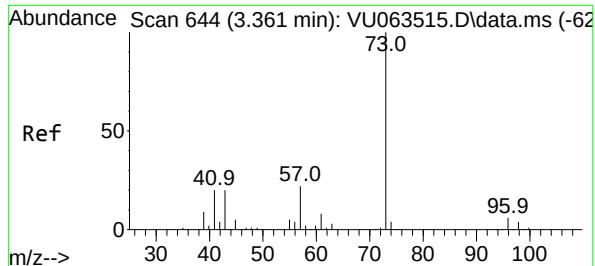
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	59	Resp:	11035
Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.6	12.8#





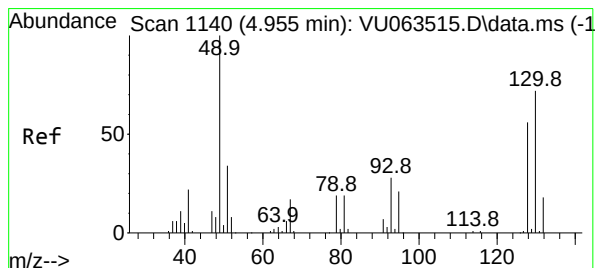
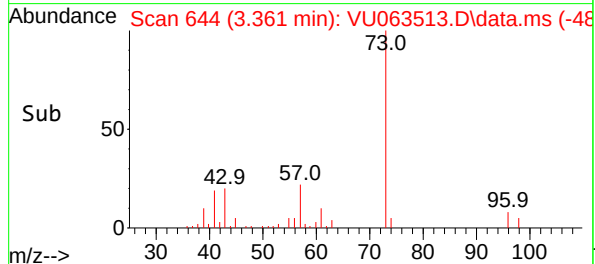
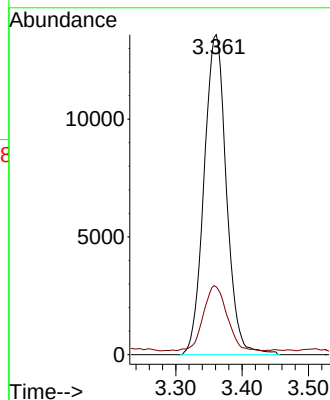
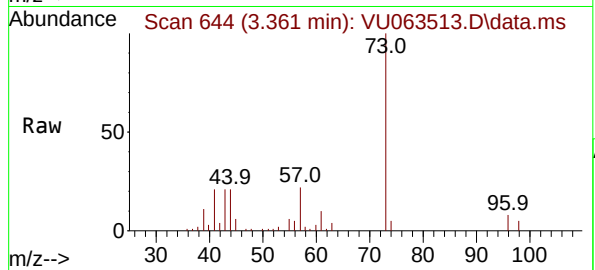
#25
Methyl tert-Butyl Ether
Concen: 1.906 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 73 Resp: 3192
Ion Ratio Lower Upper
73 100
43 21.2 16.2 24.2

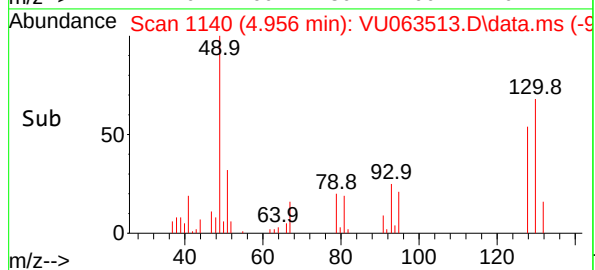
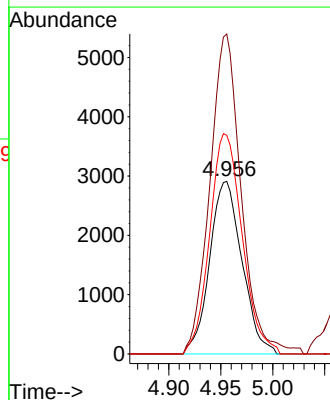
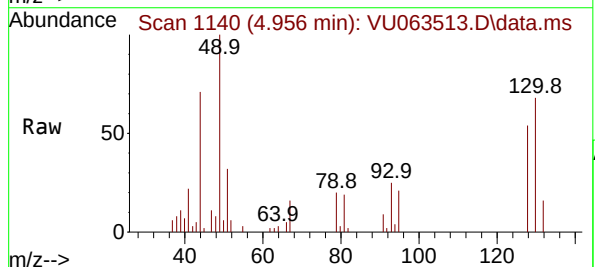
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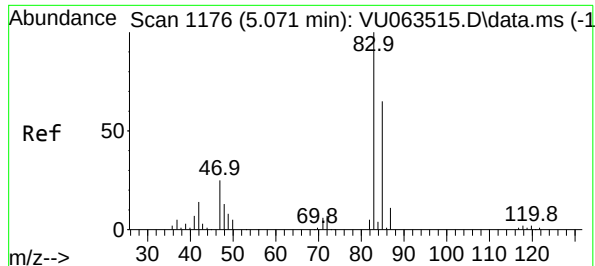
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#26
Bromochloromethane
Concen: 1.908 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:128 Resp: 6299
Ion Ratio Lower Upper
128 100
49 179.5 0.0 340.8
130 128.5 100.5 150.7





#27

Chloroform

Concen: 1.927 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 2656

Ion Ratio Lower Upper

83 100

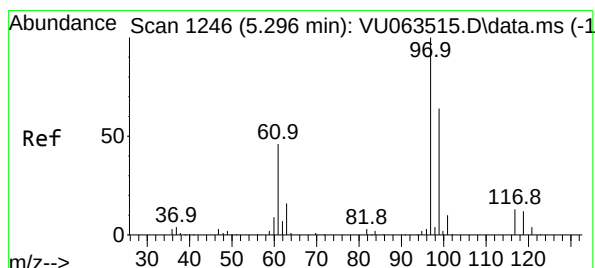
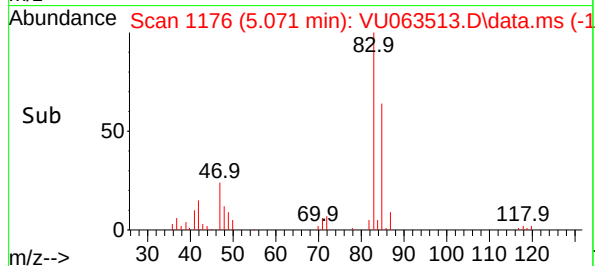
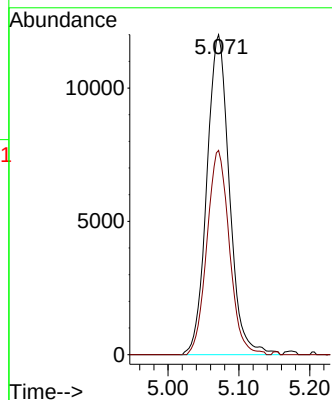
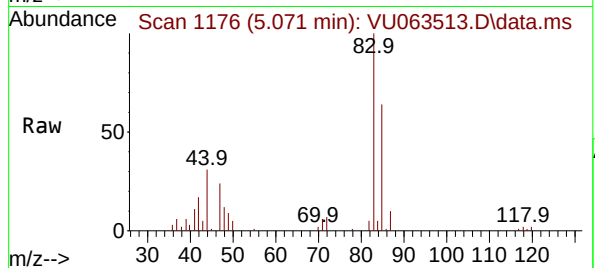
85 63.9 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 1.895 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

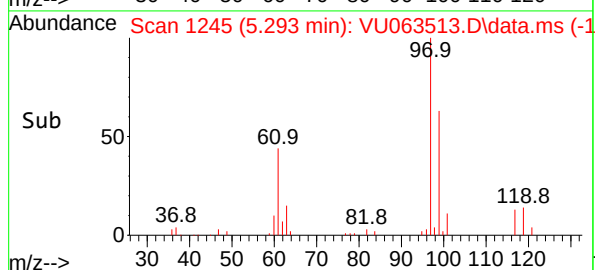
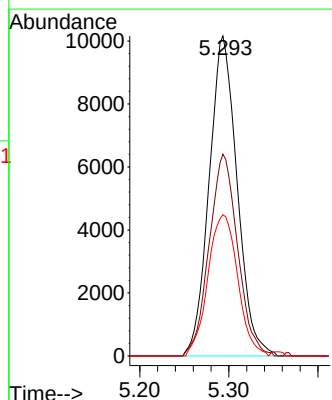
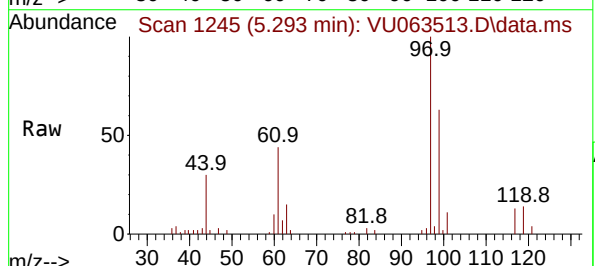
Tgt Ion: 97 Resp: 22170

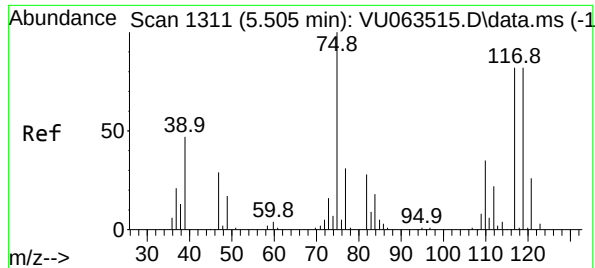
Ion Ratio Lower Upper

97 100

99 64.2 31.8 95.3

61 47.0 23.3 69.9





#29

1,1-Dichloropropene

Concen: 1.970 ug/l

RT: 5.502 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 2134

Ion Ratio Lower Upper

75 100

110 31.6 17.8 53.4

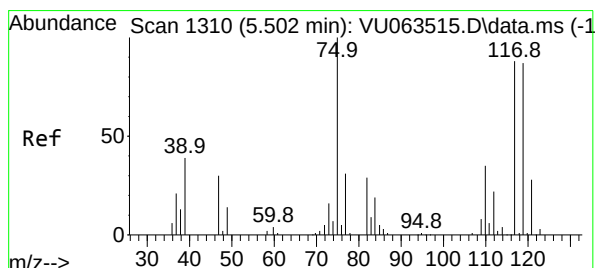
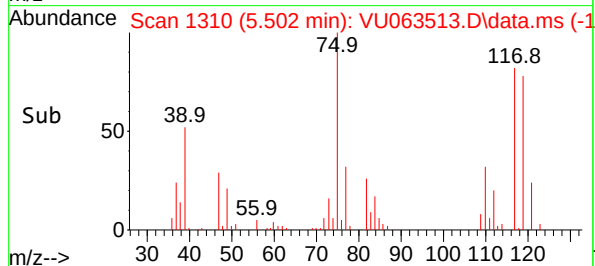
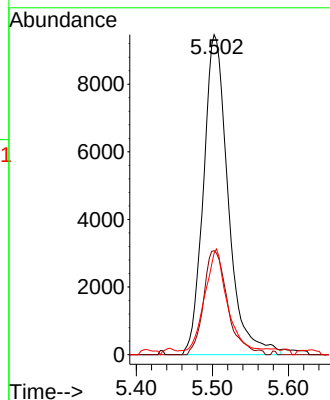
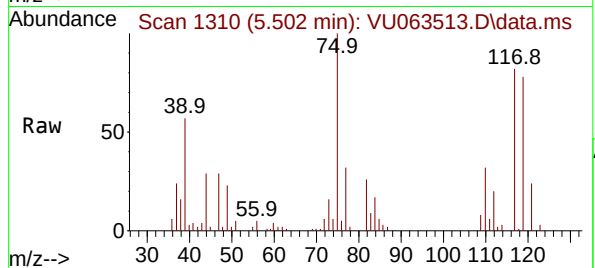
77 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 1.900 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

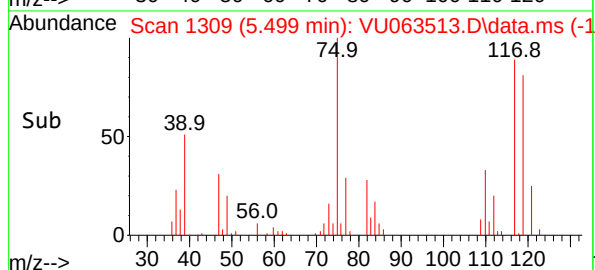
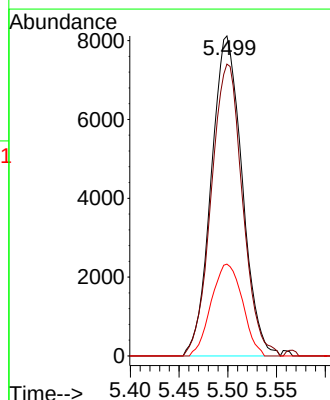
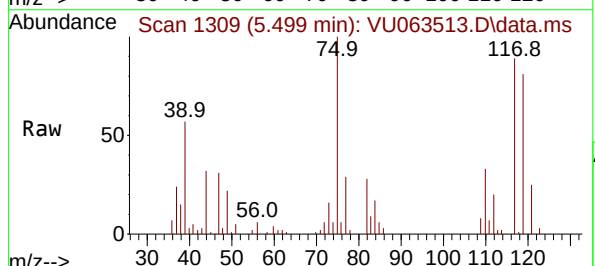
Tgt Ion:117 Resp: 17885

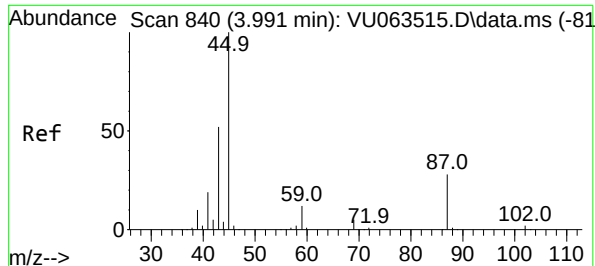
Ion Ratio Lower Upper

117 100

119 91.2 79.2 118.8

121 28.7 25.5 38.3





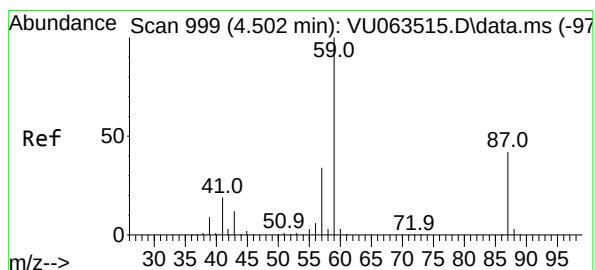
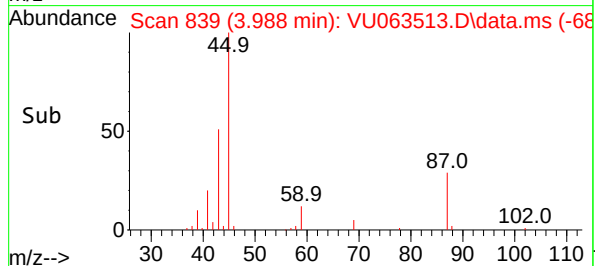
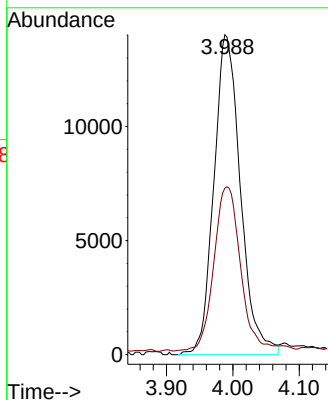
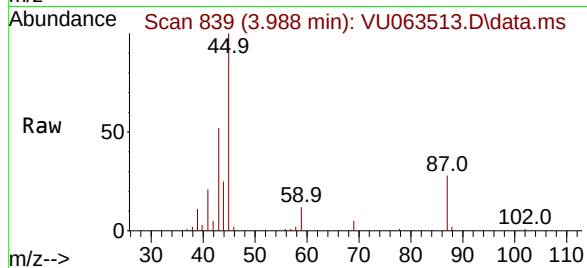
#31
Isopropyl Ether
Concen: 1.914 ug/l
RT: 3.988 min Scan# 840
Delta R.T. -0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 3901
Ion Ratio Lower Upper
45 100
43 52.1 25.7 77.0

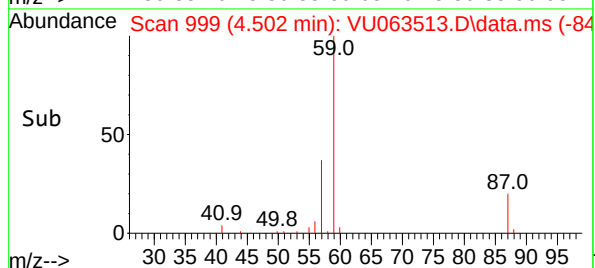
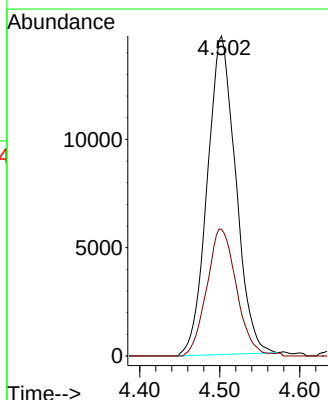
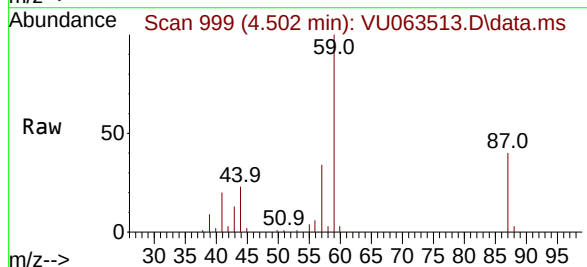
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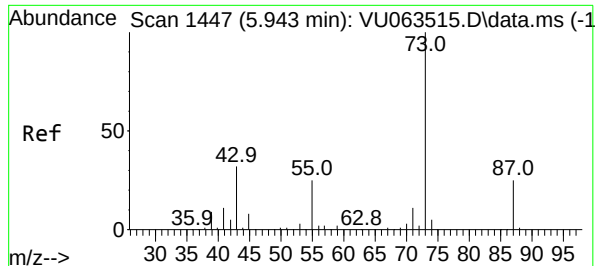
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 1.926 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion: 59 Resp: 36341
Ion Ratio Lower Upper
59 100
87 40.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 1.977 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

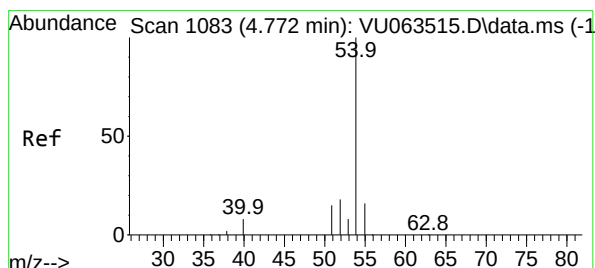
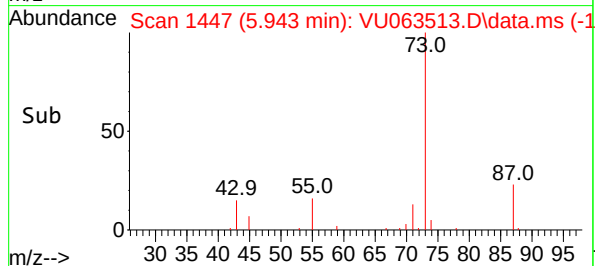
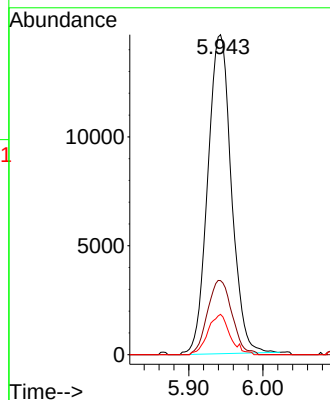
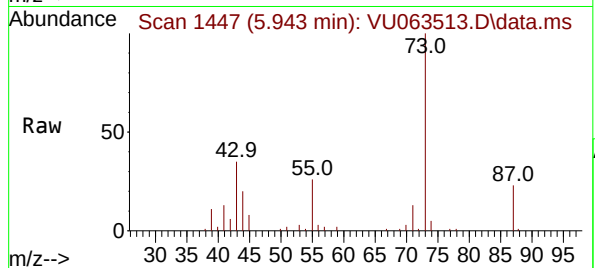
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 73	Resp: 3236
Ion Ratio	Lower Upper
73	100
87	24.1 19.4 29.2
71	11.8 8.9 13.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#34

Propionitrile

Concen: 9.762 ug/l

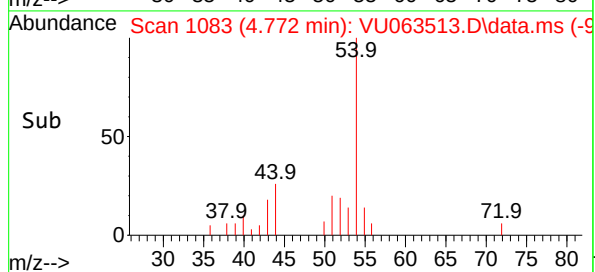
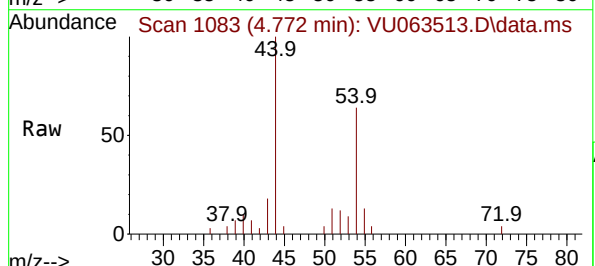
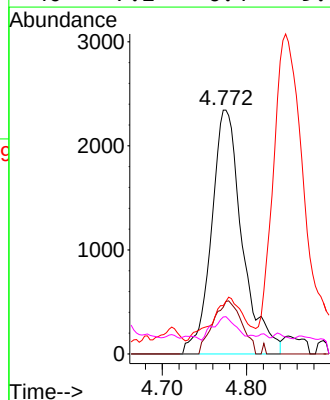
RT: 4.772 min Scan# 1083

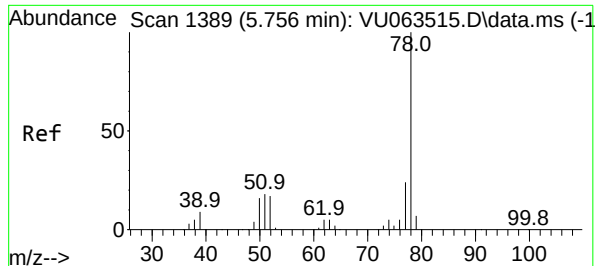
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 54	Resp: 5922
Ion Ratio	Lower Upper
54	100
52	20.4 17.0 25.4
55	17.8 13.6 20.4
40	7.2 6.4 9.6





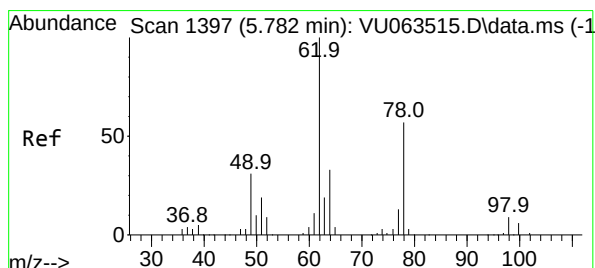
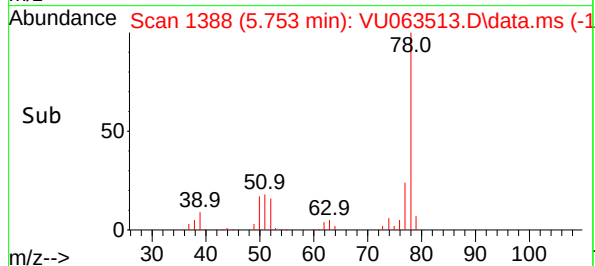
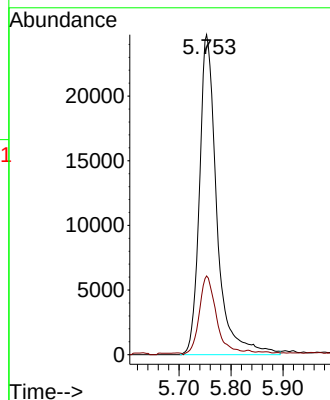
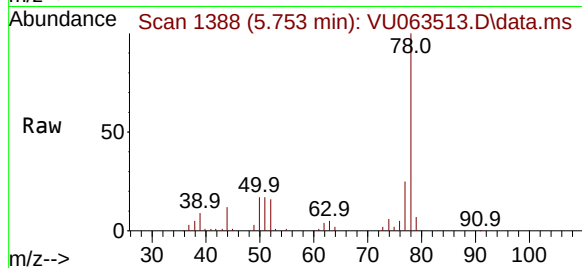
#35
Benzene
Concen: 1.977 ug/l
RT: 5.753 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 78 Resp: 5756
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.2

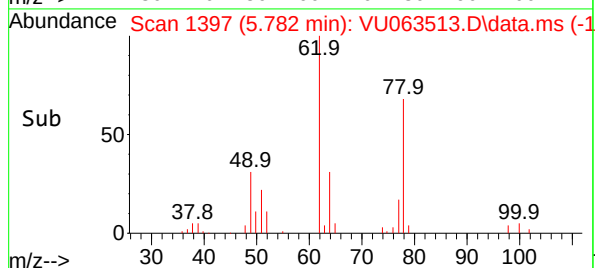
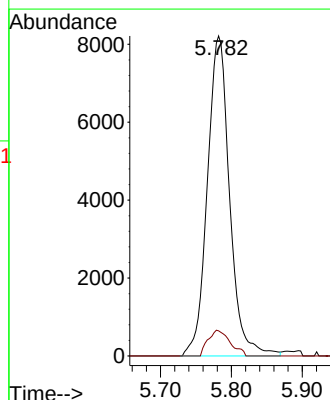
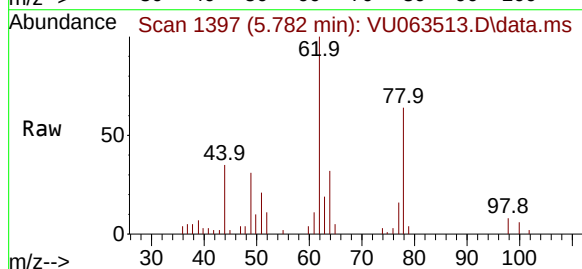
Manual Integrations
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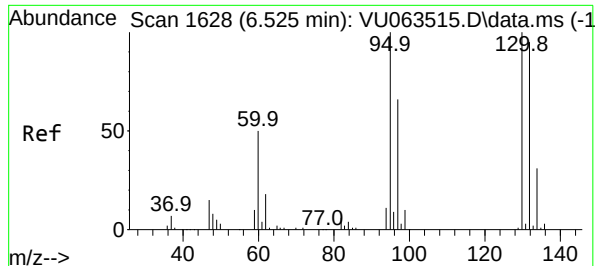
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 1.982 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion: 62 Resp: 17934
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#37

Trichloroethene

Concen: 1.790 ug/l

RT: 6.528 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:130 Resp: 1329

Ion Ratio Lower Upper

130 100

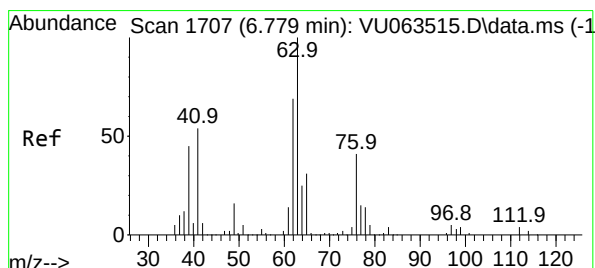
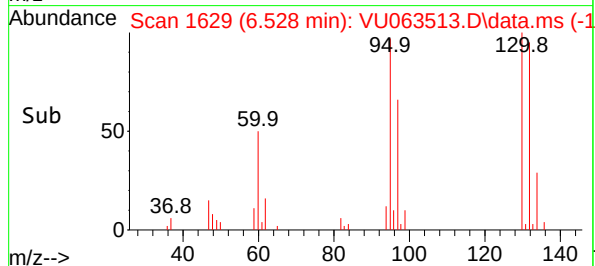
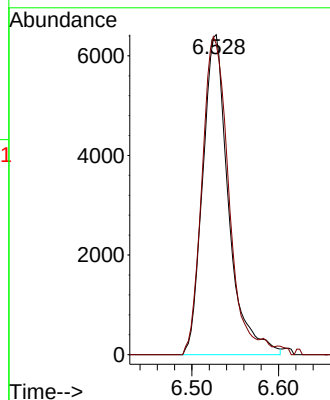
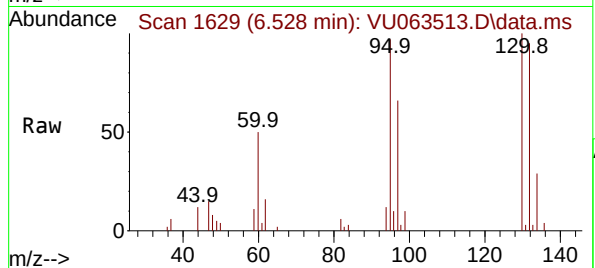
95 97.1 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 1.818 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063513.D

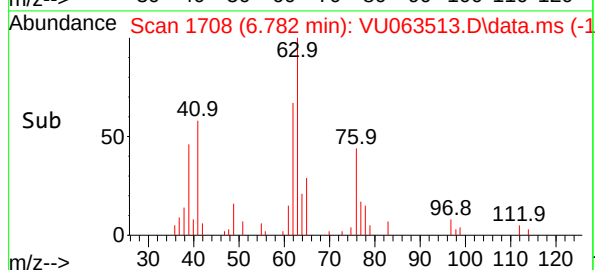
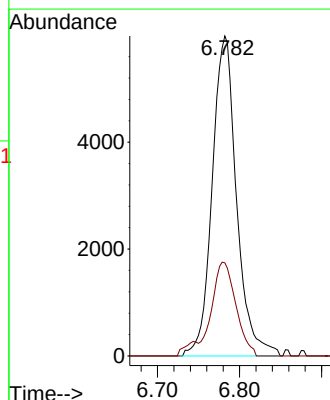
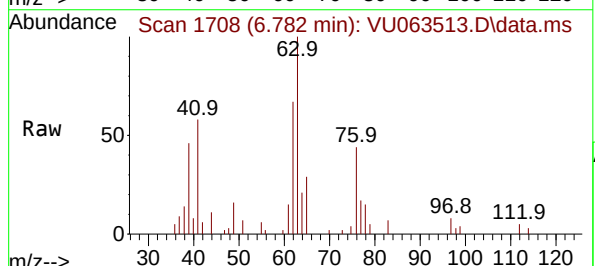
Acq: 16 Jul 2025 10:27

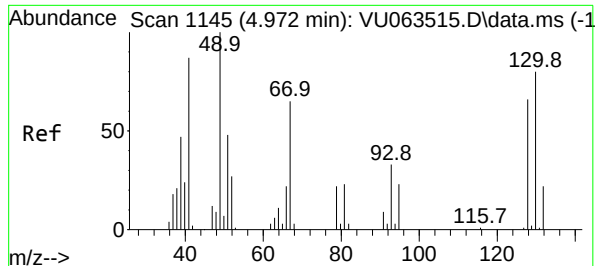
Tgt Ion: 63 Resp: 12386

Ion Ratio Lower Upper

63 100

65 29.1 24.6 36.8





#39

Methacrylonitrile

Concen: 1.982 ug/l

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 527

Ion Ratio Lower Upper

41 100

67 73.7 62.7 94.1

39 47.6 43.1 64.7

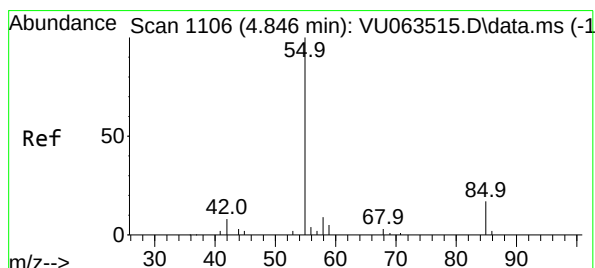
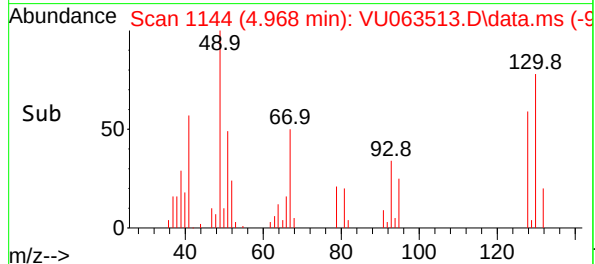
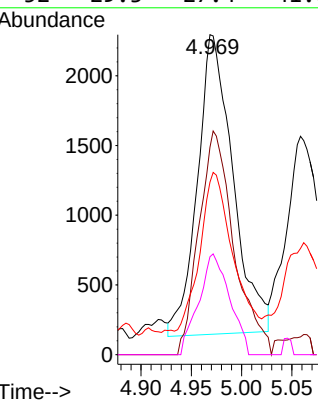
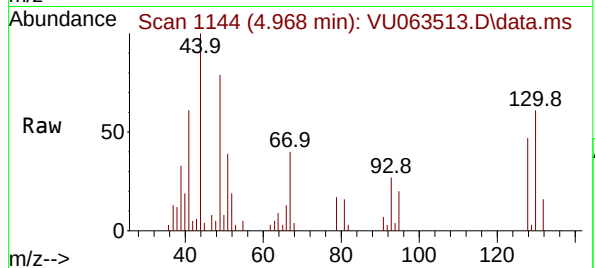
52 29.3 27.4 41.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 1.755 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 55 Resp: 6918

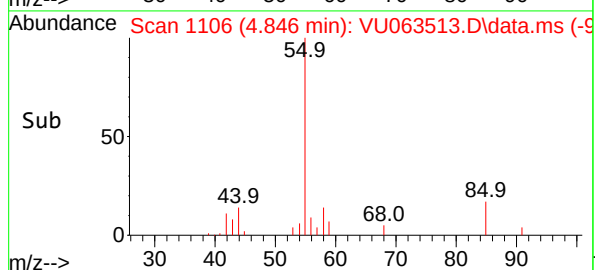
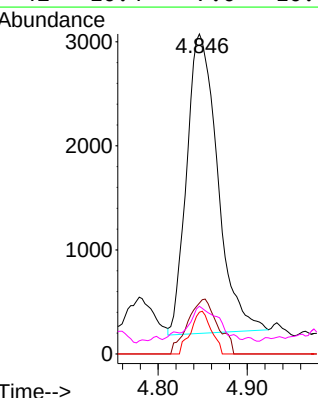
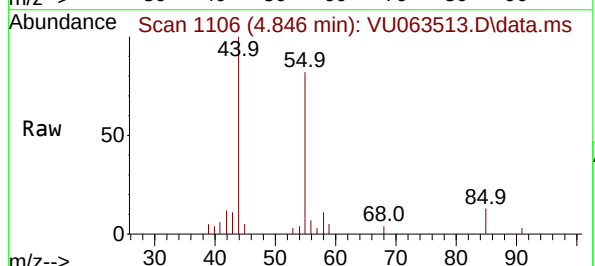
Ion Ratio Lower Upper

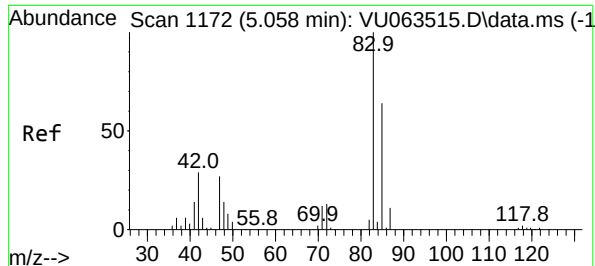
55 100

85 17.8 12.8 19.2

58 9.5 7.0 10.4

42 10.4 7.0 10.4





#41

Tetrahydrofuran

Concen: 3.757 ug/l

RT: 5.065 min Scan# 1172

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

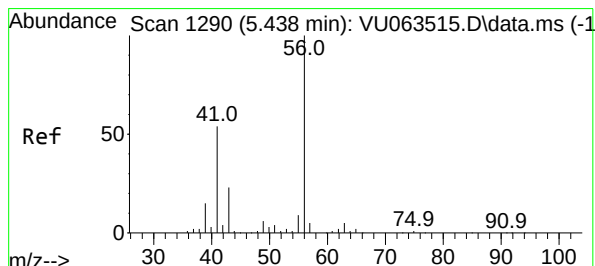
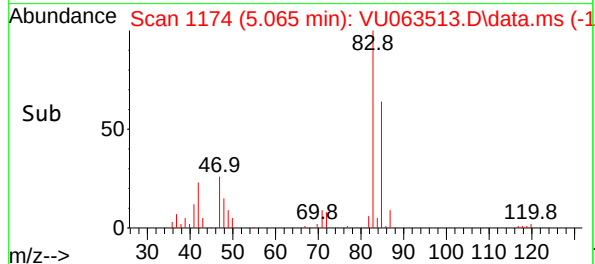
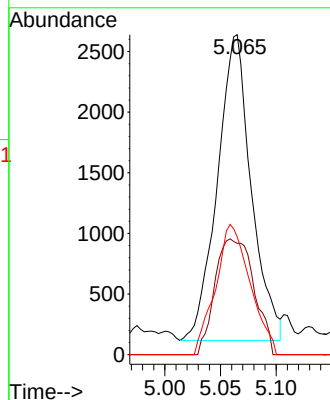
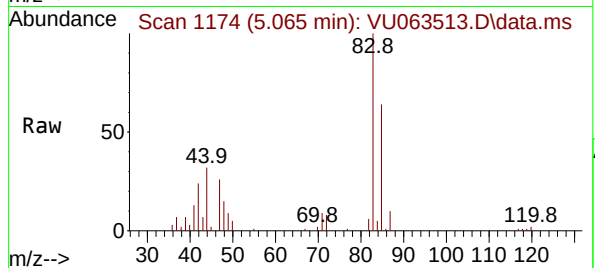
VSTDIC002

Tgt Ion:	42	Resp:	5330
Ion	Ratio	Lower	Upper
42	100		
72	43.7	39.2	58.8
71	43.7	34.8	52.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 1.896 ug/l

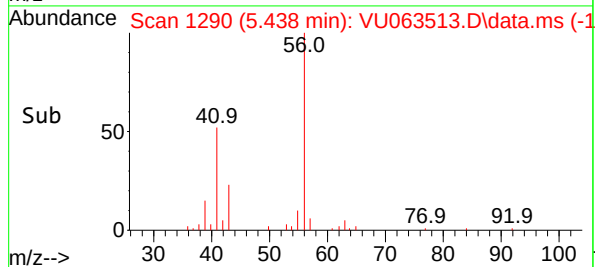
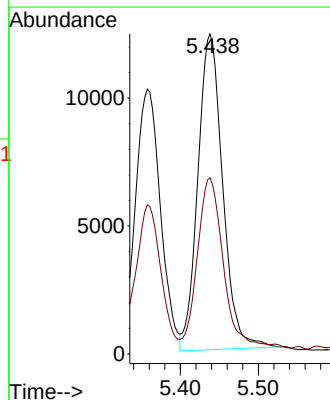
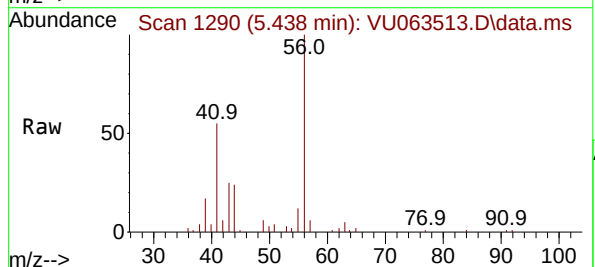
RT: 5.438 min Scan# 1290

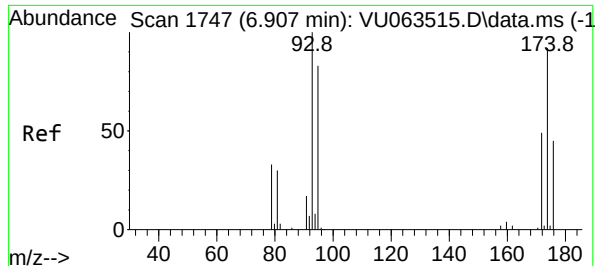
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	56	Resp:	27320
Ion	Ratio	Lower	Upper
56	100		
41	53.4	26.7	80.0





#43

Dibromomethane

Concen: 1.840 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 93 Resp: 6494

Ion Ratio Lower Upper

93 100

95 81.0 67.9 101.9

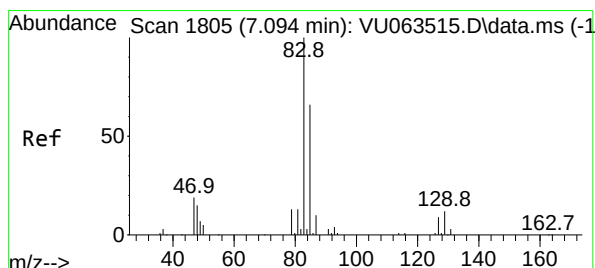
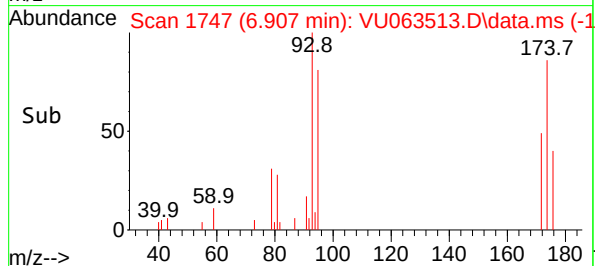
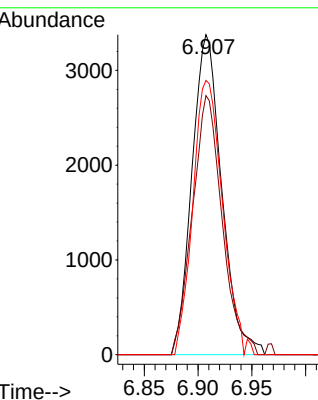
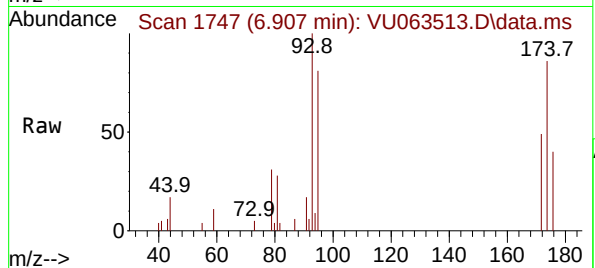
174 85.7 74.6 111.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 1.862 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

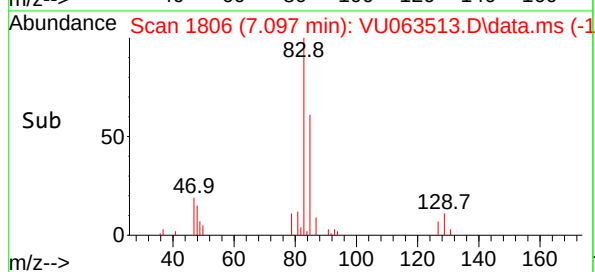
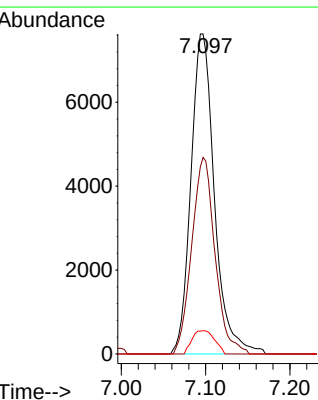
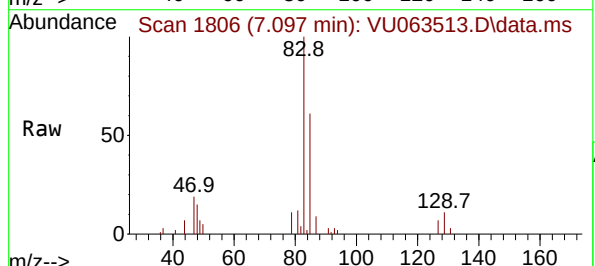
Tgt Ion: 83 Resp: 14822

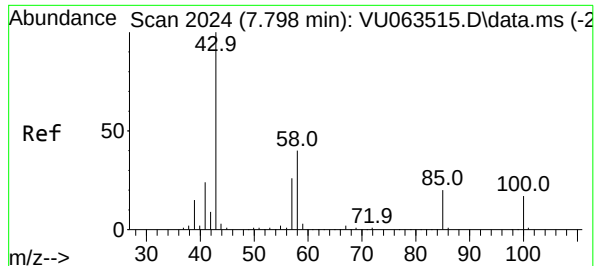
Ion Ratio Lower Upper

83 100

85 61.4 52.7 79.1

127 7.2 8.1 12.1#





#45

4-Methyl-2-Pentanone

Concen: 9.233 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

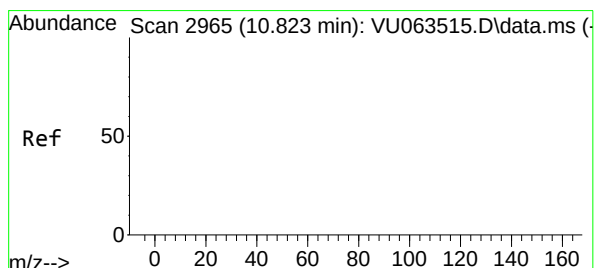
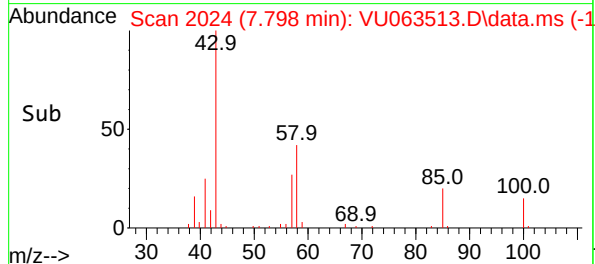
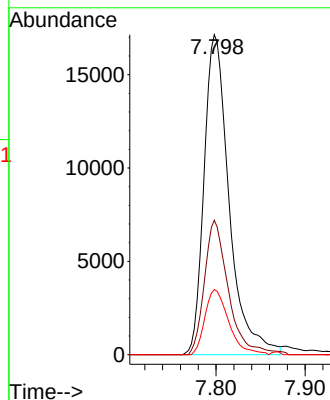
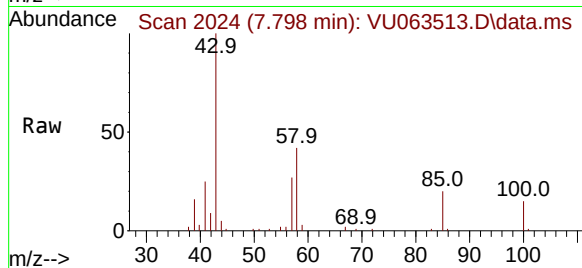
Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion:	43	Resp:	33590
Ion	Ratio	Lower	Upper
43	100		
58	40.2	20.0	60.0
85	19.3	15.4	23.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#46

t-1,4-Dichloro-2-butene

Concen: 3.841 ug/l m

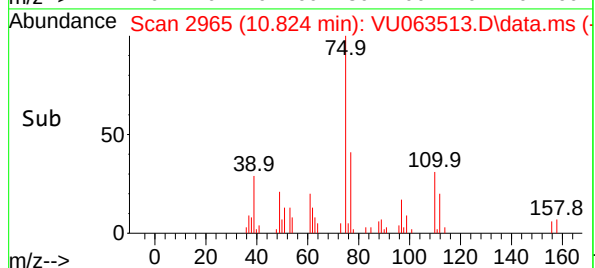
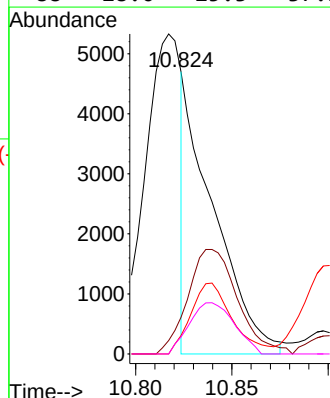
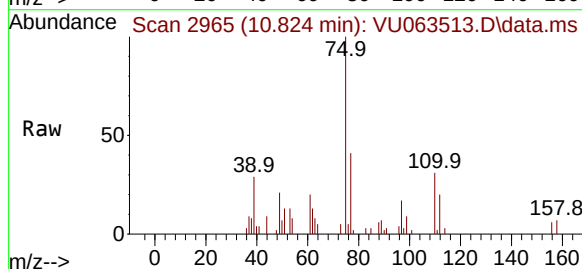
RT: 10.824 min Scan# 2965

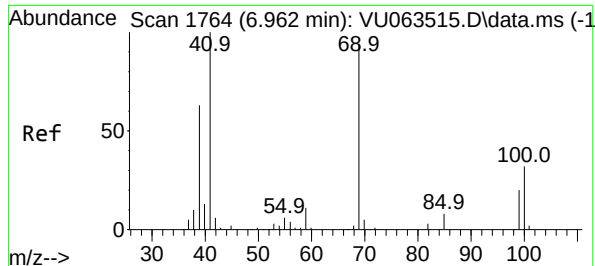
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	75	Resp:	4957
Ion	Ratio	Lower	Upper
75	100		
53	63.2	48.4	72.6
89	35.9	30.6	45.8
88	28.0	25.3	37.9





#47

Methyl methacrylate

Concen: 3.613 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 69 Resp: 10710

Ion Ratio Lower Upper

69 100

41 104.8 0.0 224.0

39 69.0 55.3 82.9

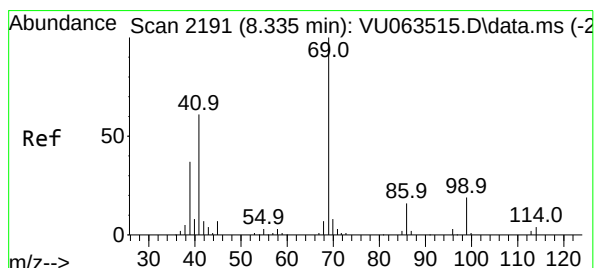
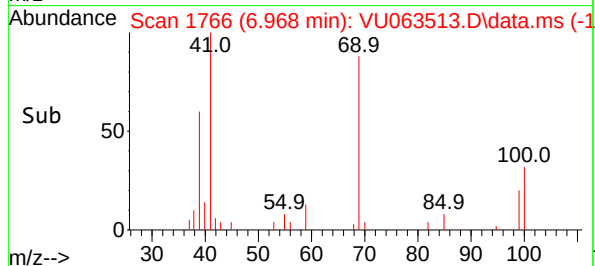
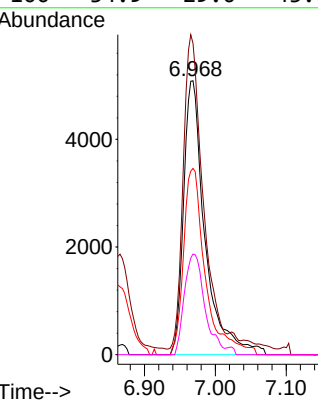
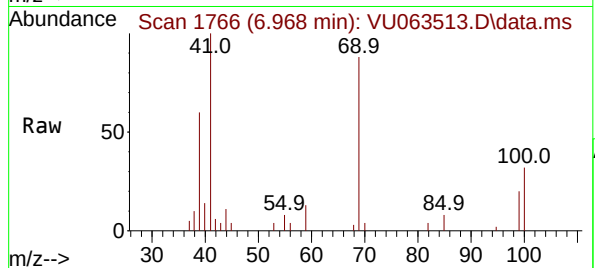
100 34.9 29.0 43.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 1.902 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063513.D

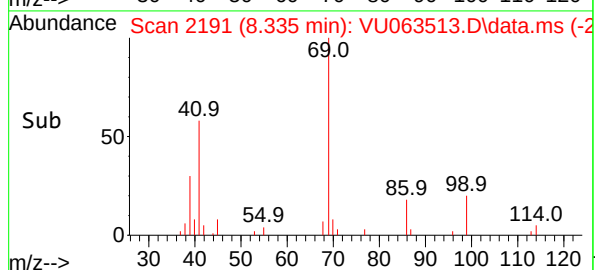
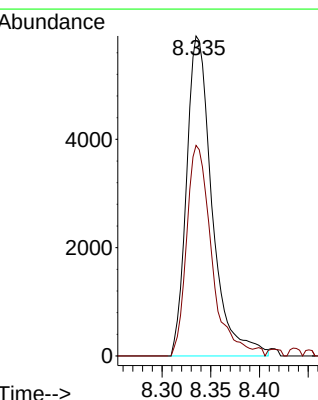
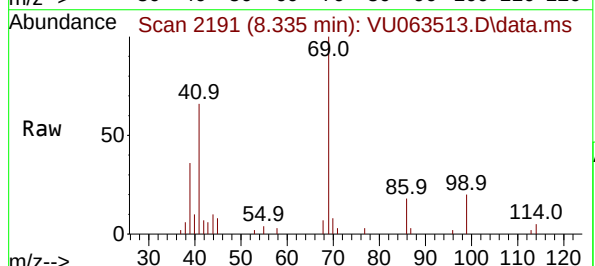
Acq: 16 Jul 2025 10:27

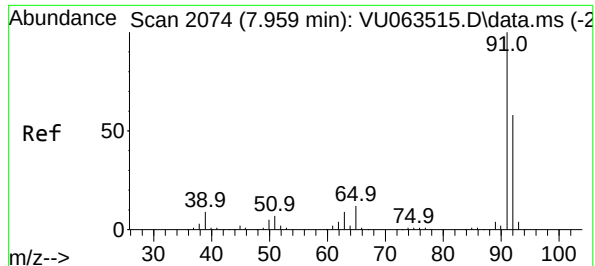
Tgt Ion: 69 Resp: 10760

Ion Ratio Lower Upper

69 100

41 64.3 30.8 92.4





#49

Toluene

Concen: 1.853 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 92 Resp: 2945

Ion Ratio Lower Upper

92 100

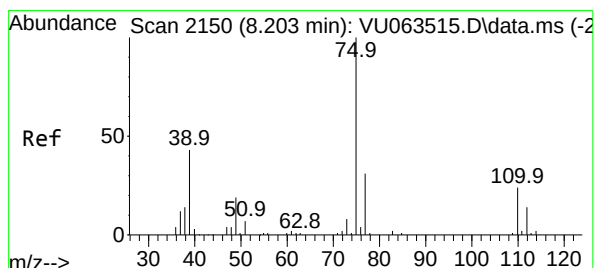
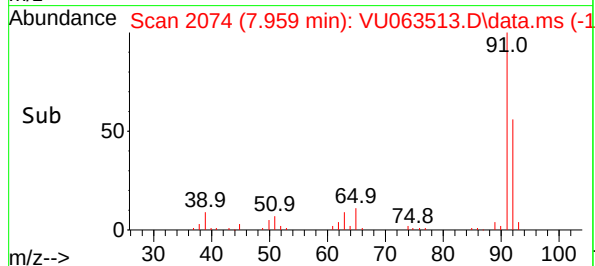
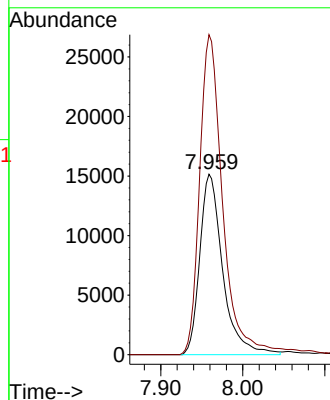
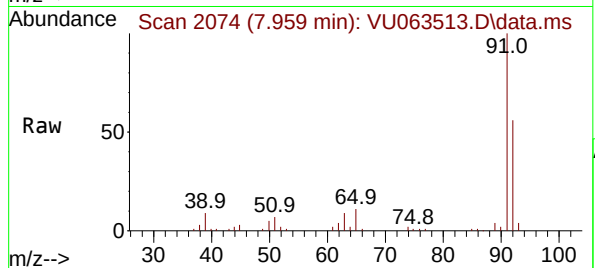
91 179.2 140.4 210.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 1.767 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063513.D

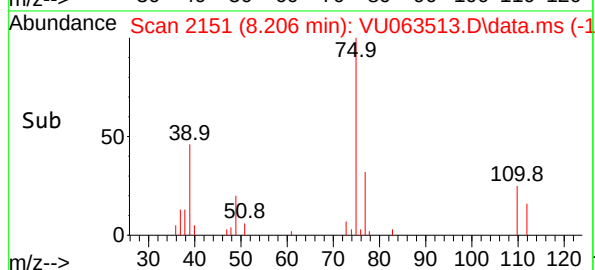
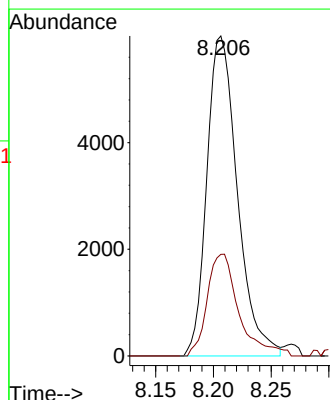
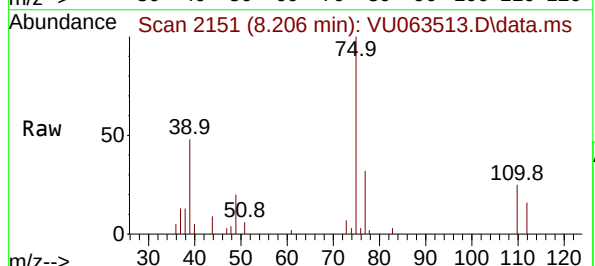
Acq: 16 Jul 2025 10:27

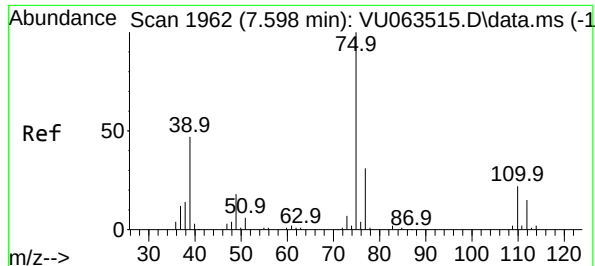
Tgt Ion: 75 Resp: 11035

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 1.719 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 1440

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

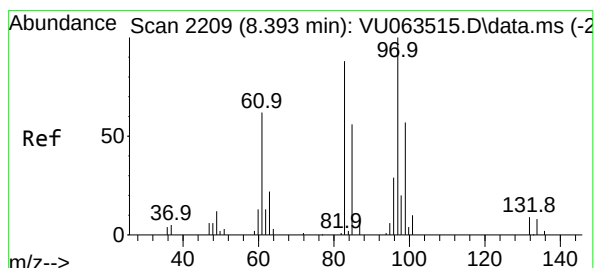
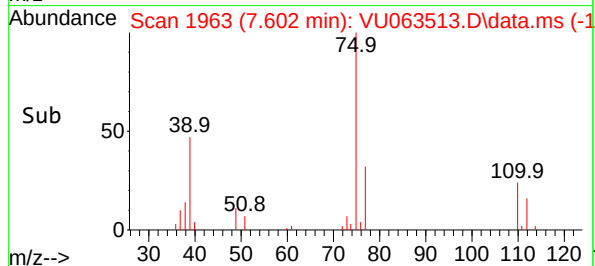
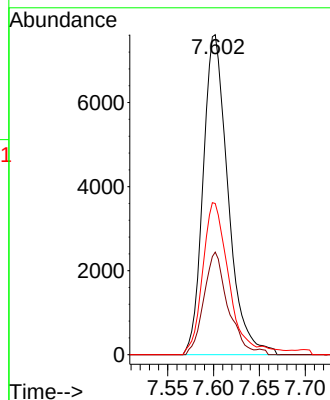
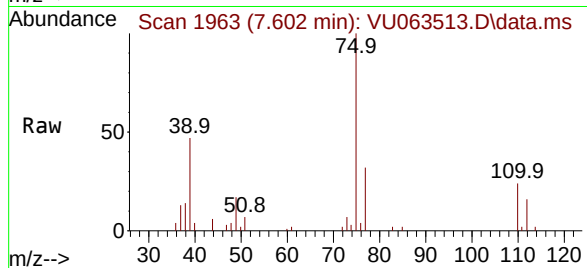
39 47.3 37.8 56.6

Manual Integrations

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#52

1,1,2-Trichloroethane

Concen: 1.871 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 97 Resp: 8889

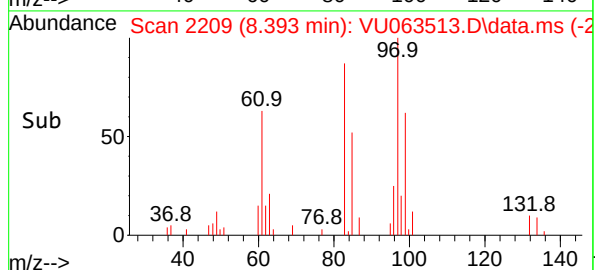
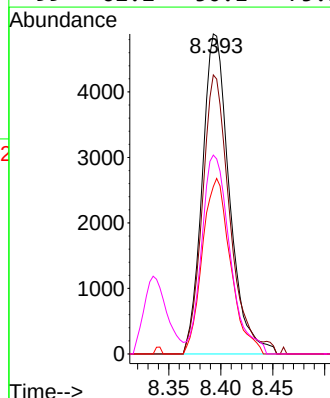
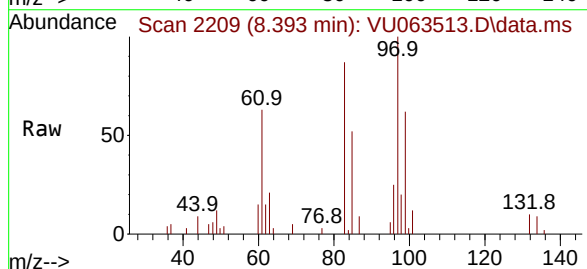
Ion Ratio Lower Upper

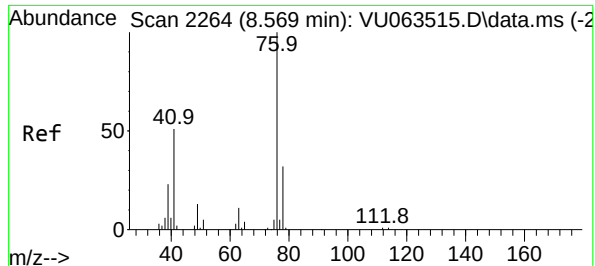
97 100

83 87.2 70.2 105.2

85 52.3 45.2 67.8

99 62.2 50.1 75.1





#53

1,3-Dichloropropane

Concen: 1.913 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 76 Resp: 1569

Ion Ratio Lower Upper

76 100

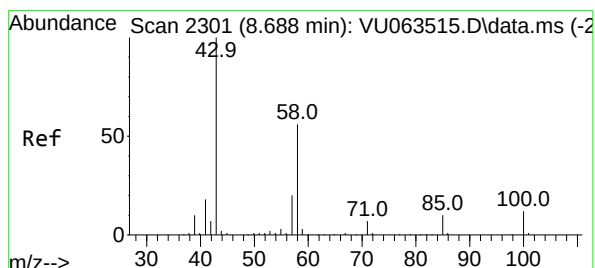
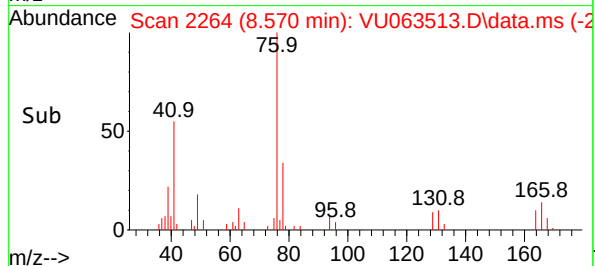
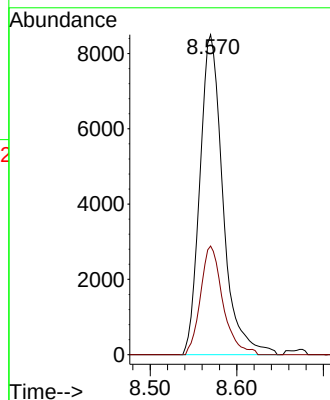
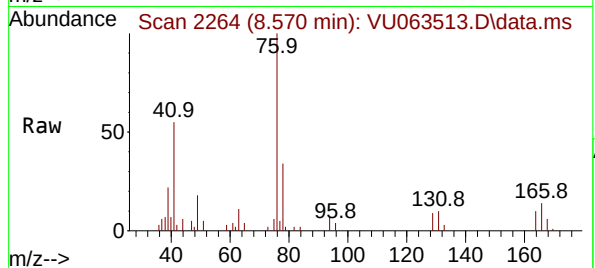
78 33.0 26.0 39.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 8.926 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

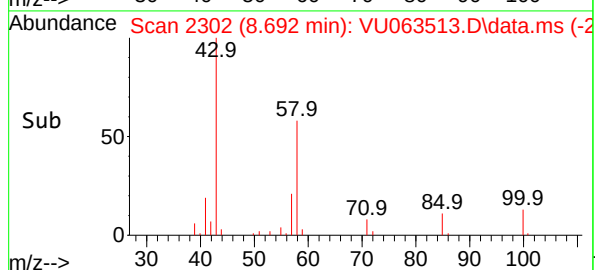
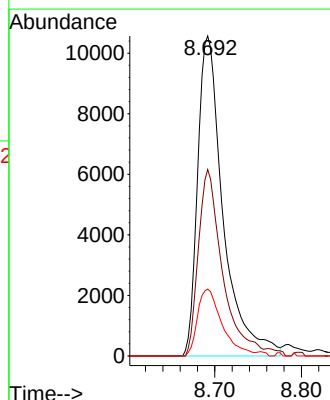
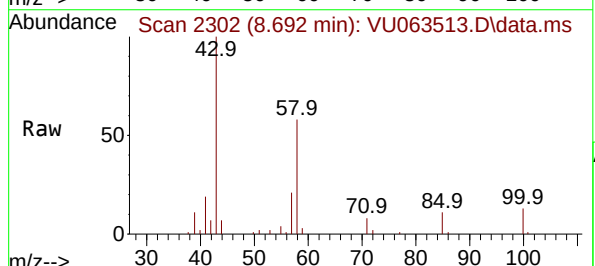
Tgt Ion: 43 Resp: 21569

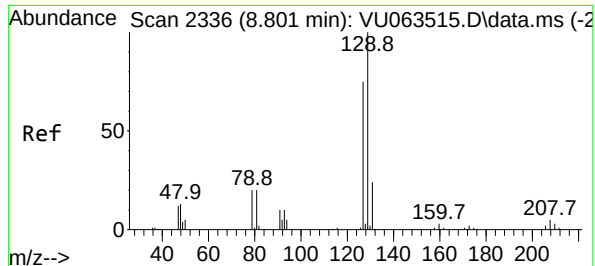
Ion Ratio Lower Upper

43 100

58 56.1 34.8 74.8

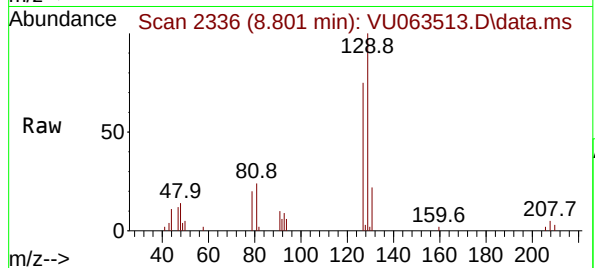
57 20.2 0.0 39.5





#55
Dibromochloromethane
Concen: 1.824 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

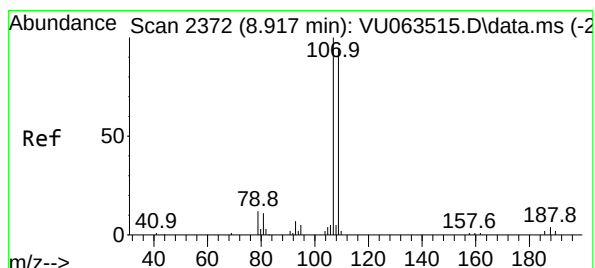
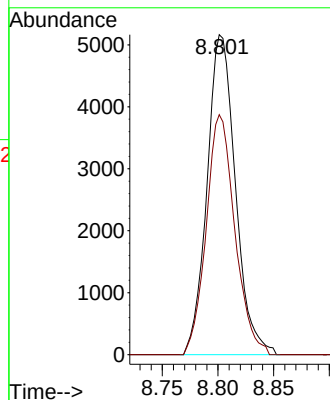
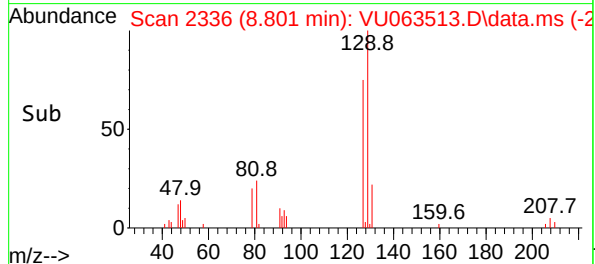
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



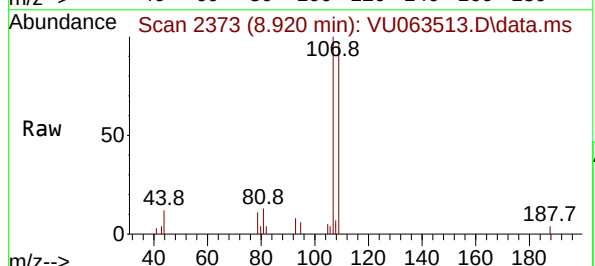
Tgt Ion:129 Resp: 9158
Ion Ratio Lower Upper
129 100
127 75.6 60.1 90.1

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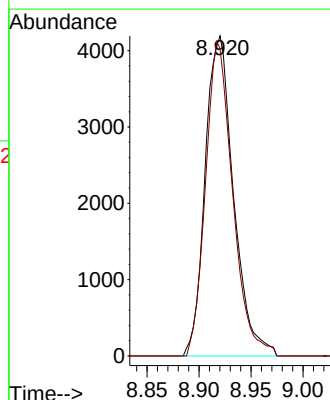
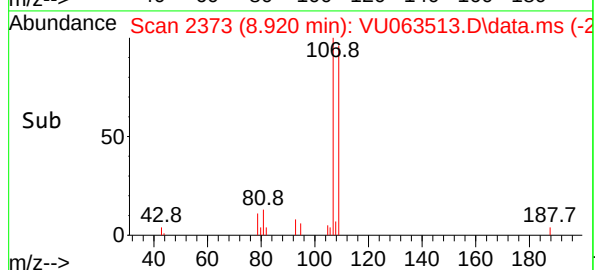
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

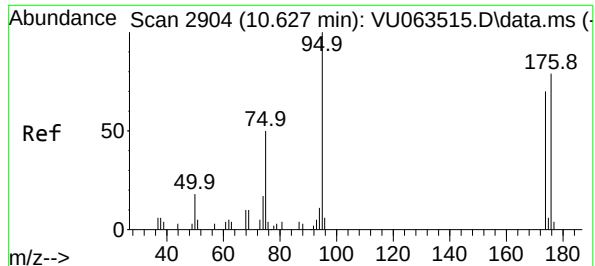


#56
1,2-Dibromoethane
Concen: 1.871 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27



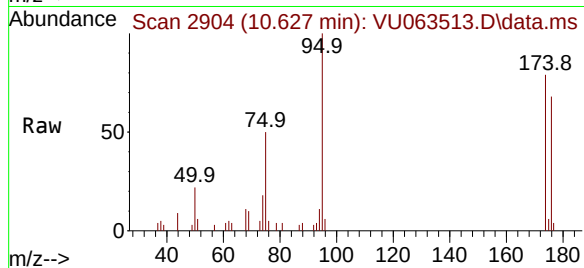
Tgt Ion:107 Resp: 7956
Ion Ratio Lower Upper
107 100
109 93.9 0.0 186.4





#57
4-Bromofluorobenzene
Concen: 0.953 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

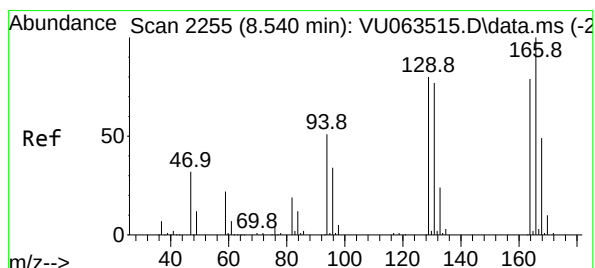
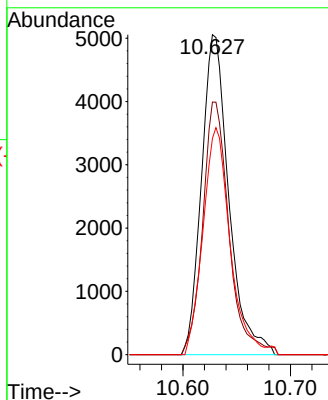
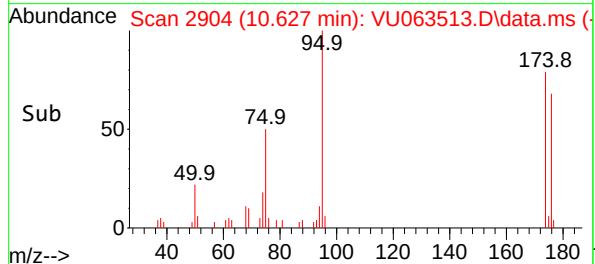
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



Tgt Ion: 95 Resp: 8919
Ion Ratio Lower Upper
95 100
174 75.9 59.8 89.8
176 70.1 61.8 92.8

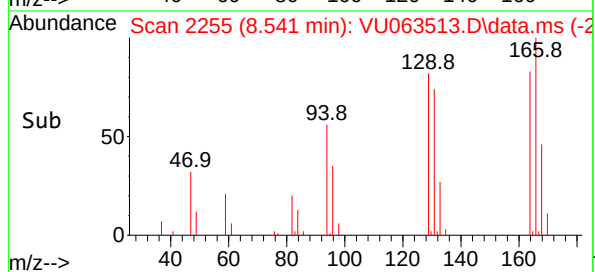
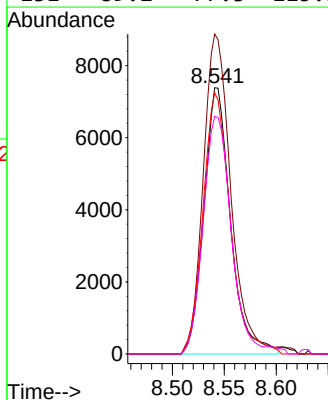
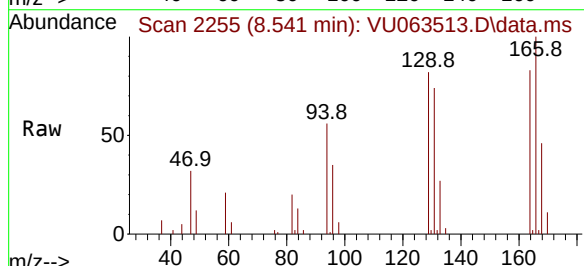
Manual Integrations
APPROVED

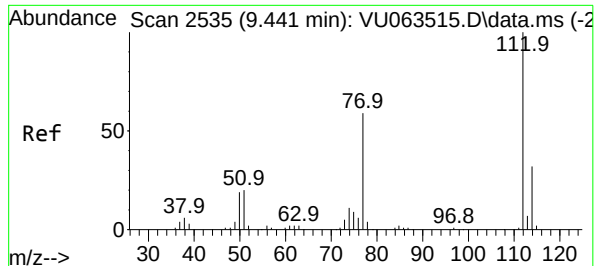
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#58
Tetrachloroethene
Concen: 1.936 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:164 Resp: 13165
Ion Ratio Lower Upper
164 100
166 120.2 100.7 151.1
129 98.1 80.6 120.8
131 89.2 77.3 115.9





#59

Chlorobenzene

Concen: 1.858 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:112 Resp: 3392

Ion Ratio Lower Upper

112 100

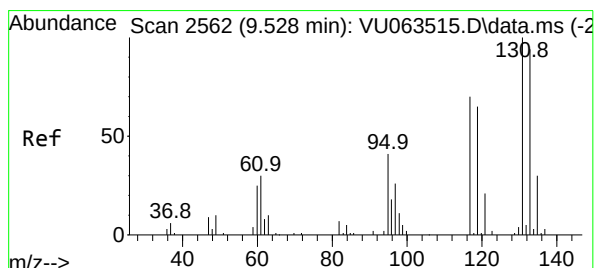
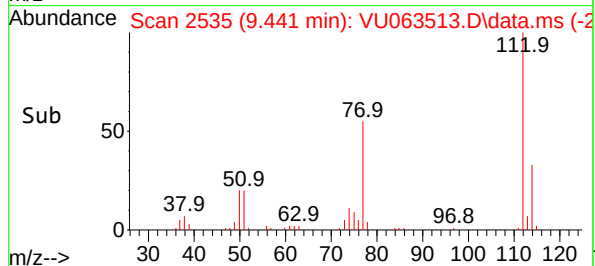
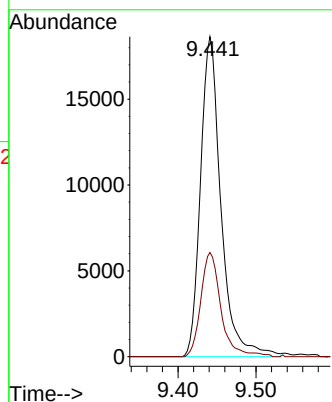
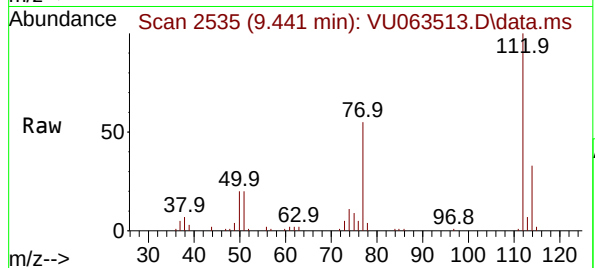
114 32.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.835 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

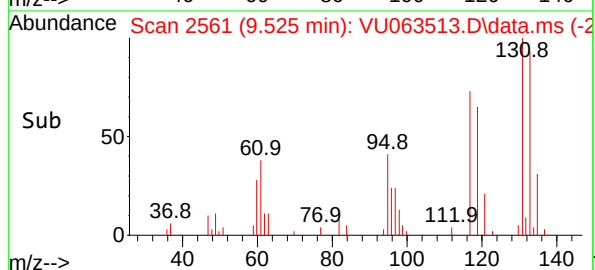
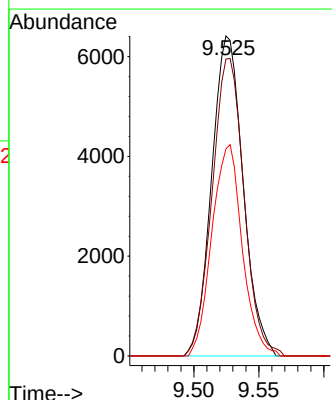
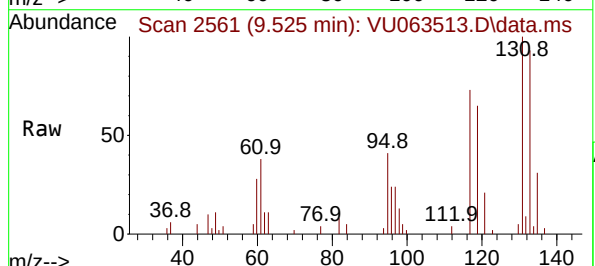
Tgt Ion:131 Resp: 10771

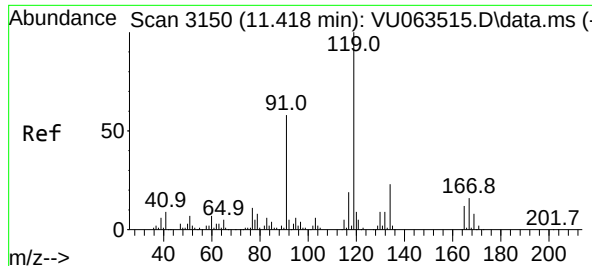
Ion Ratio Lower Upper

131 100

133 94.5 74.7 112.1

119 63.8 53.0 79.4





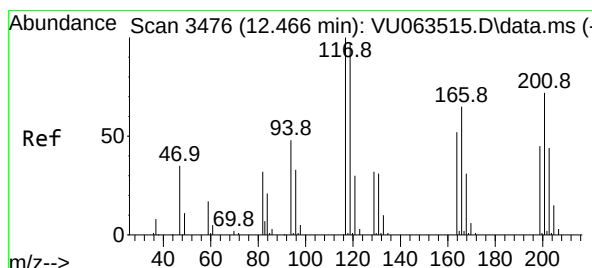
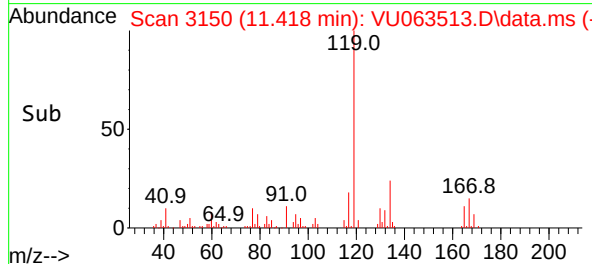
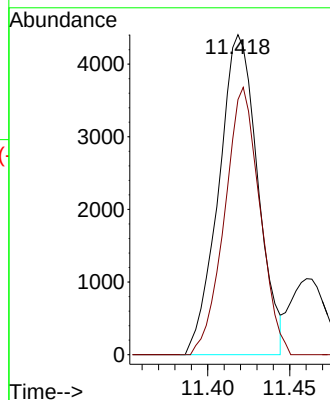
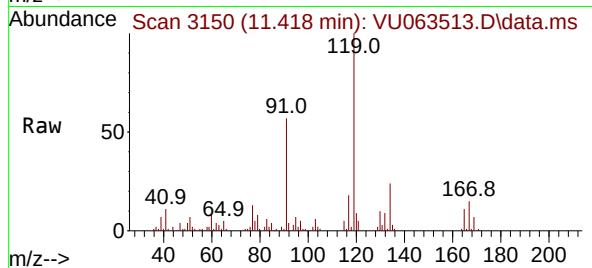
#61
Pentachloroethane
Concen: 1.758 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 7292
Ion Ratio Lower Upper
117 100
167 75.3 65.0 97.6

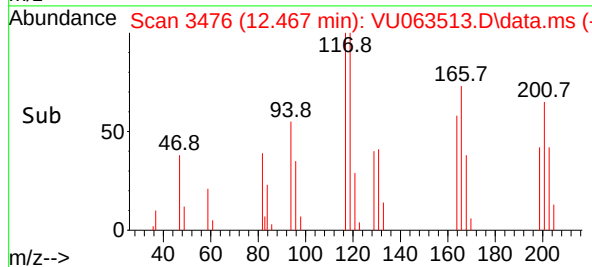
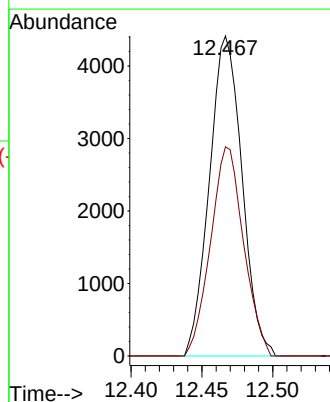
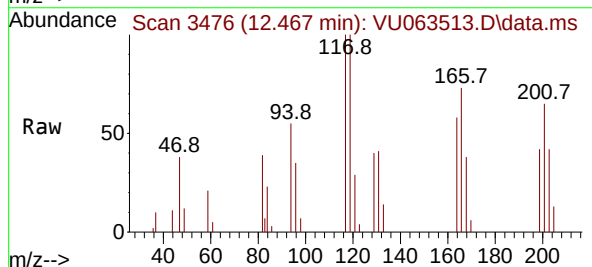
Manual Integrations
APPROVED

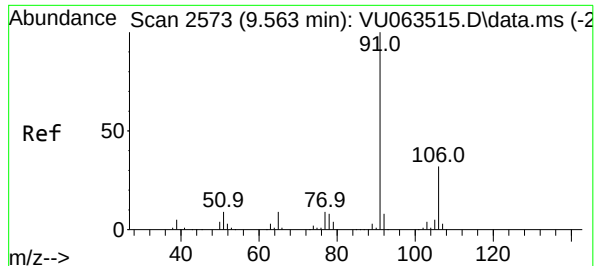
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 1.722 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:117 Resp: 7073
Ion Ratio Lower Upper
117 100
201 66.1 57.4 86.0





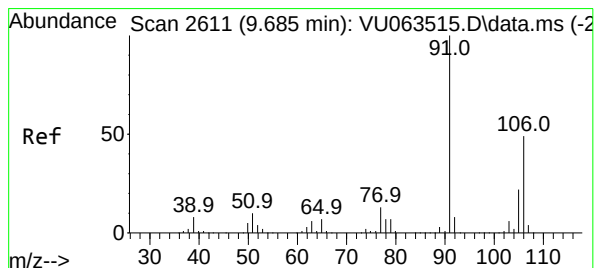
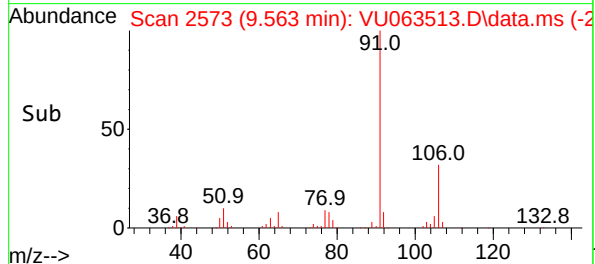
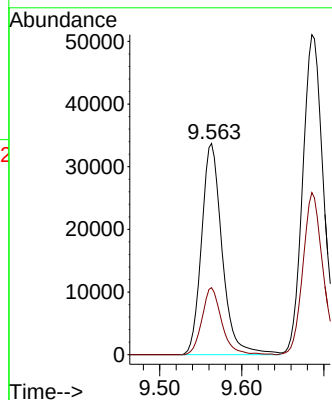
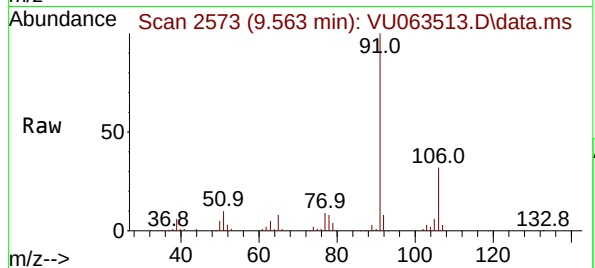
#63
Ethyl Benzene
Concen: 1.874 ug/l
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 58862
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0

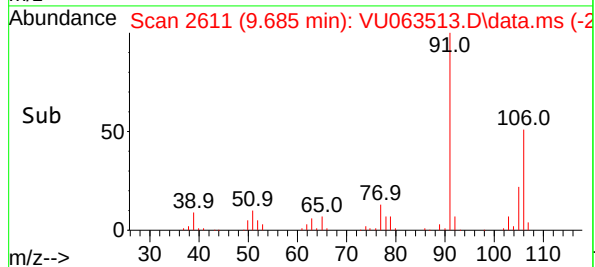
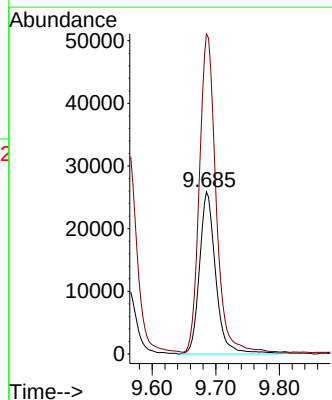
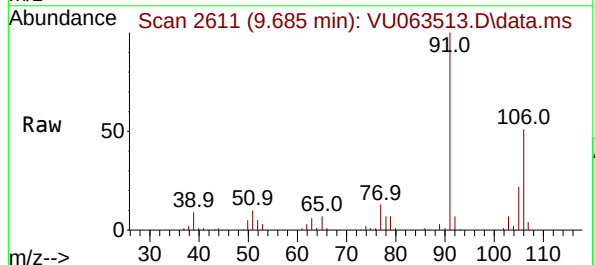
Manual Integrations
APPROVED

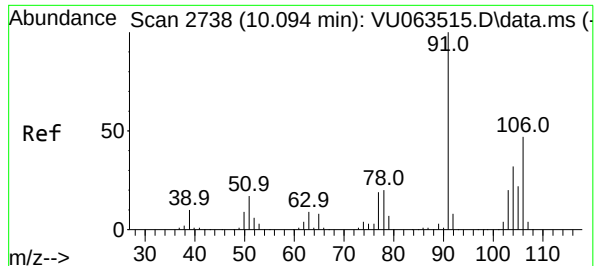
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#64
m/p-Xylenes
Concen: 3.756 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:106 Resp: 45864
Ion Ratio Lower Upper
106 100
91 200.6 163.6 245.4





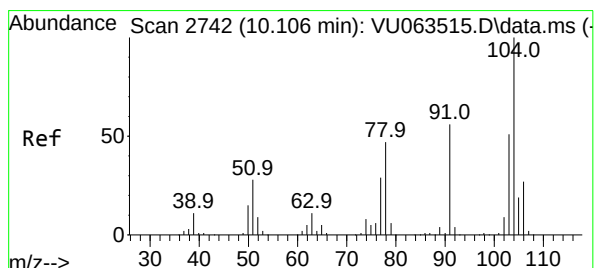
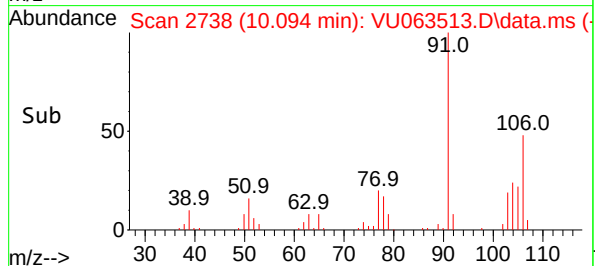
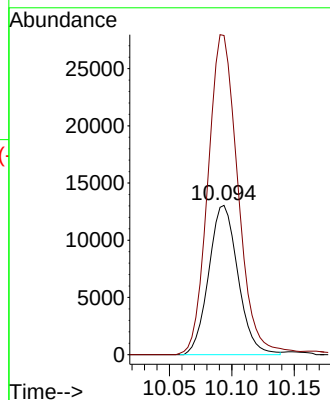
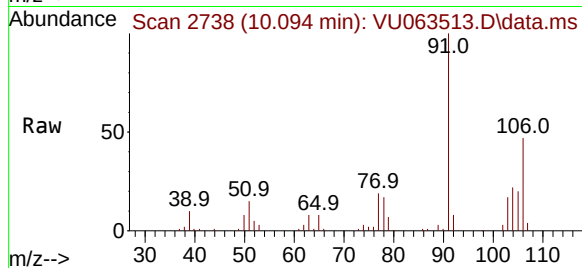
#65
o-Xylene
Concen: 1.819 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:106 Resp: 21340
Ion Ratio Lower Upper
106 100
91 220.0 108.1 324.4

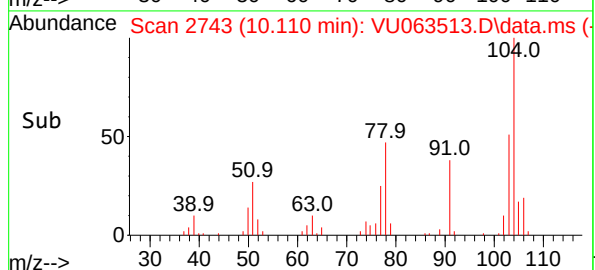
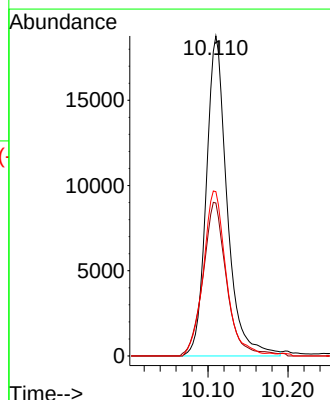
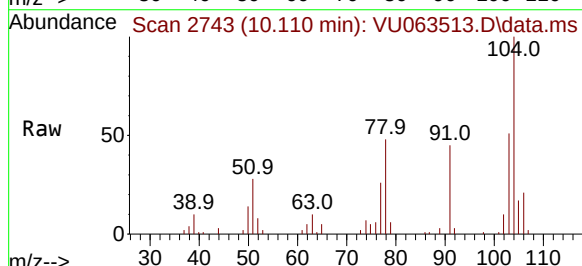
Manual Integrations
APPROVED

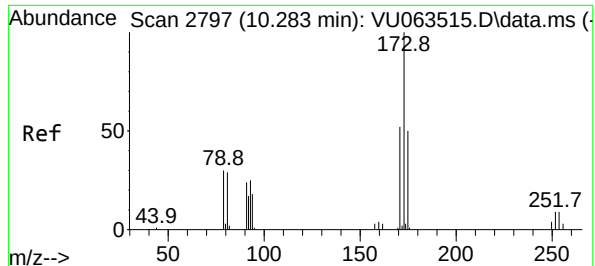
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 1.824 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:104 Resp: 34112
Ion Ratio Lower Upper
104 100
78 54.5 41.3 61.9
103 56.6 43.6 65.4





#67

Bromoform

Concen: 1.759 ug/l

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

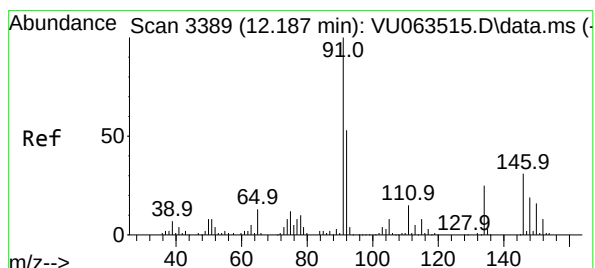
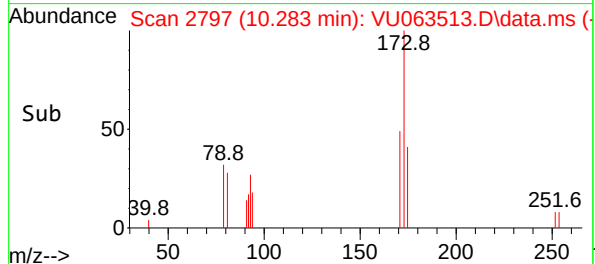
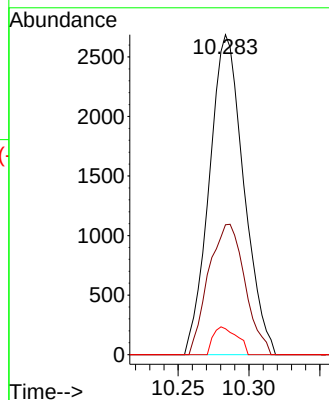
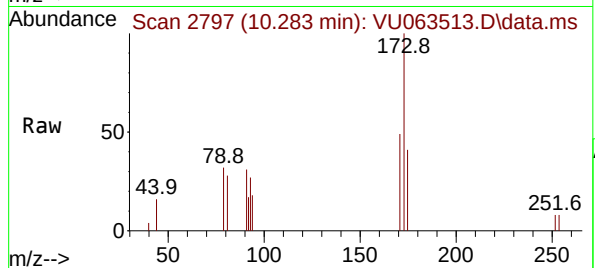
VSTDIC002

Tgt Ion:	173	Resp:	4530
Ion	Ratio	Lower	Upper
173	100		
175	43.1	39.0	58.4
254	6.0	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.932 ug/l

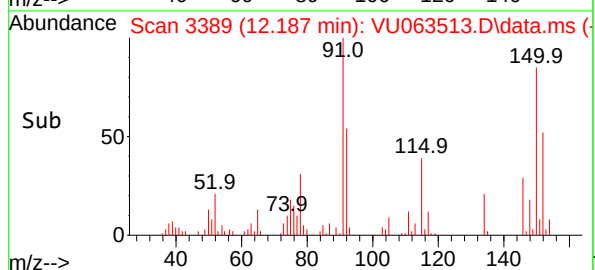
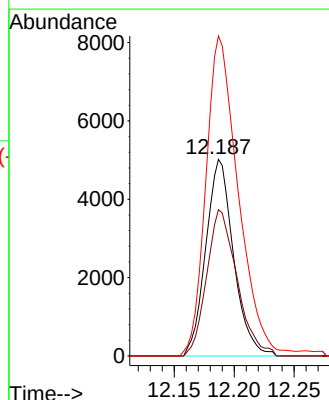
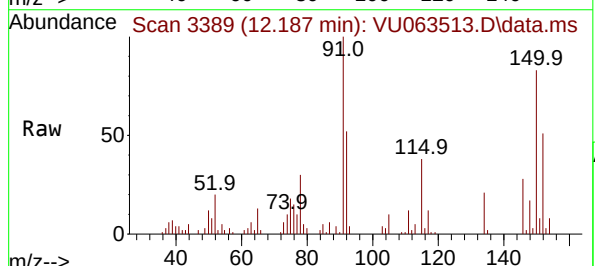
RT: 12.187 min Scan# 3389

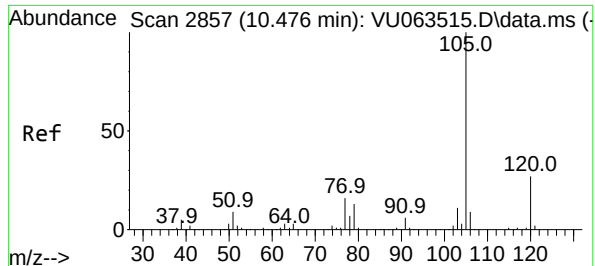
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	152	Resp:	8064
Ion	Ratio	Lower	Upper
152	100		
115	81.3	0.0	262.2
150	189.8	0.0	651.2





#69

Isopropylbenzene

Concen: 1.842 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 52260

Ion Ratio Lower Upper

105 100

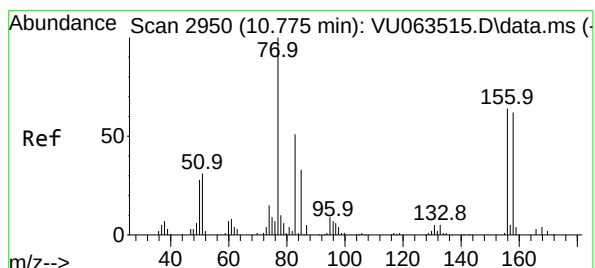
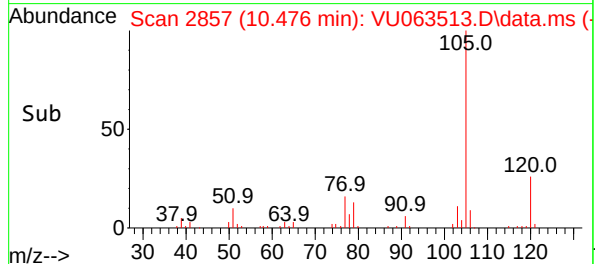
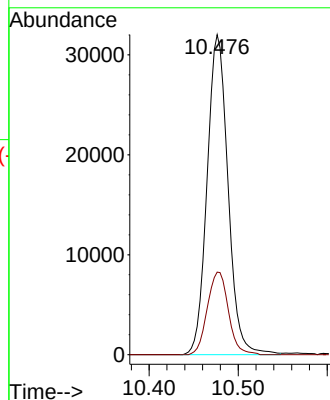
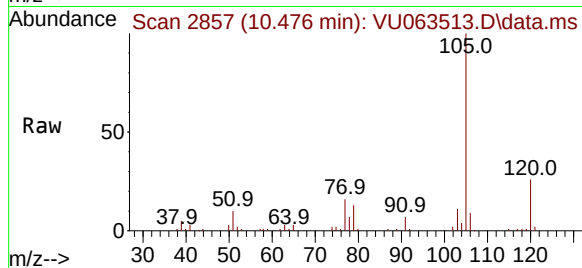
120 26.0 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 1.852 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

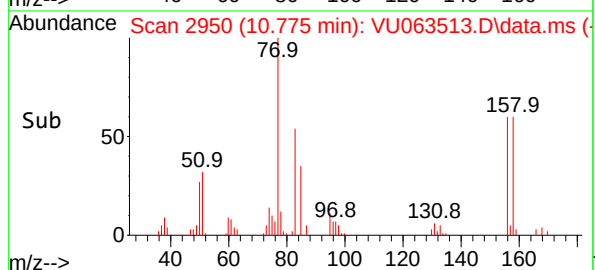
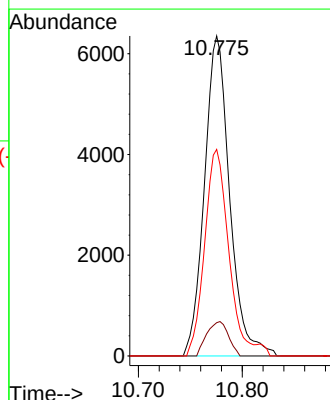
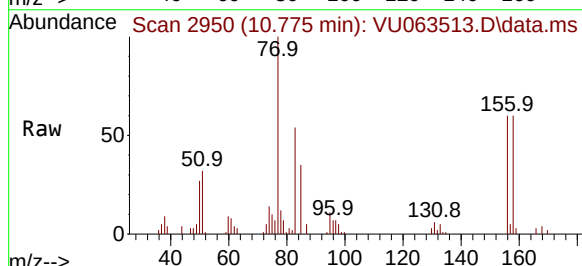
Tgt Ion: 83 Resp: 10710

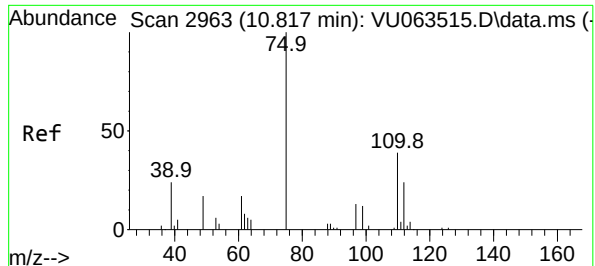
Ion Ratio Lower Upper

83 100

131 9.2 8.4 12.6

85 62.4 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 1.903 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 8980

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 32.8 0.0 73.2

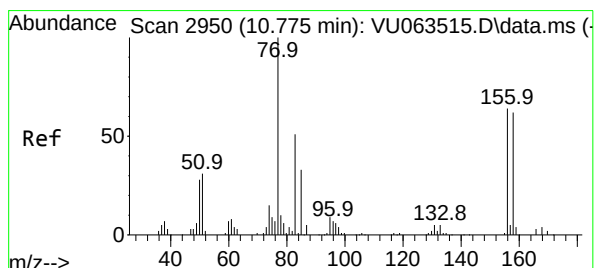
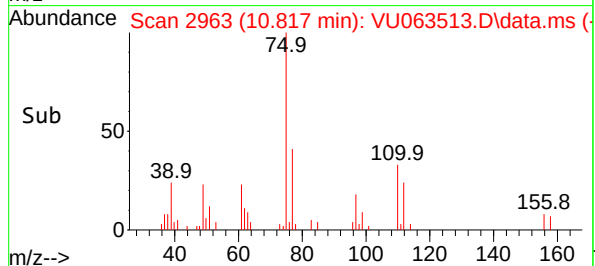
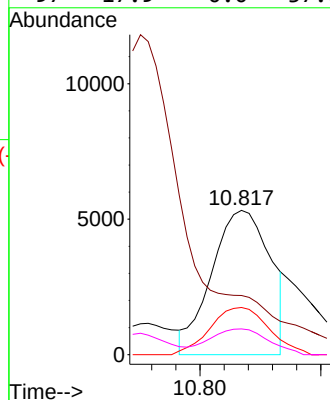
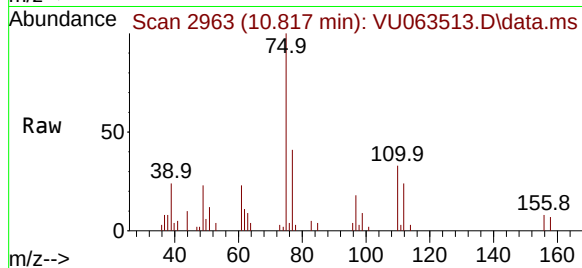
97 17.9 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 1.791 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

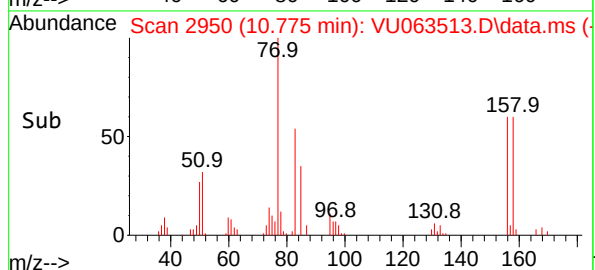
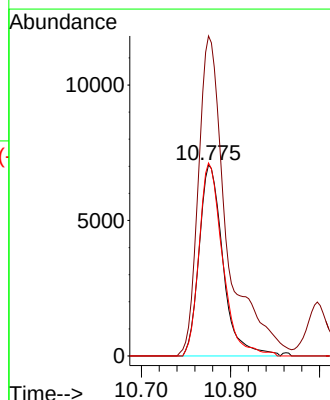
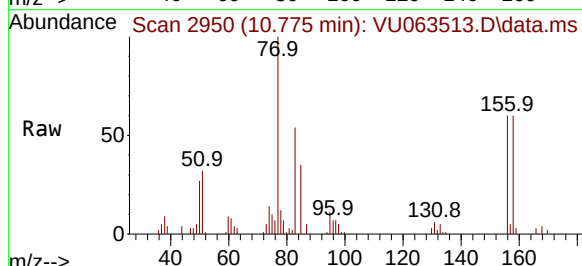
Tgt Ion:156 Resp: 13109

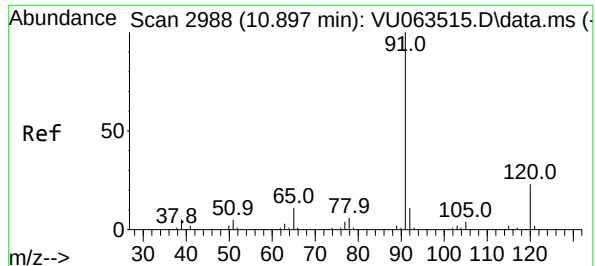
Ion Ratio Lower Upper

156 100

77 200.0 0.0 315.2

158 100.1 0.0 195.4





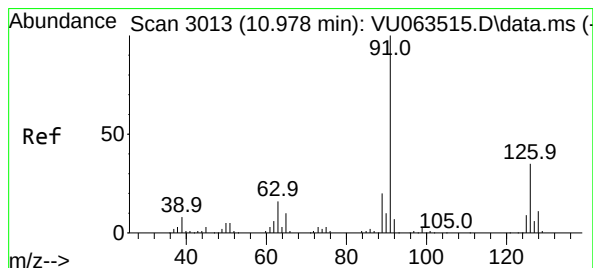
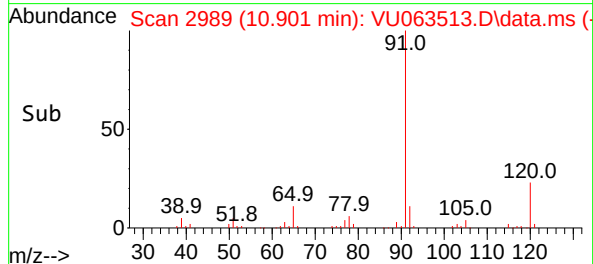
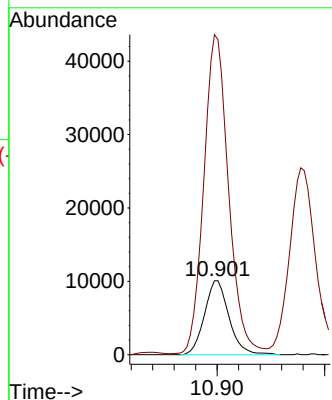
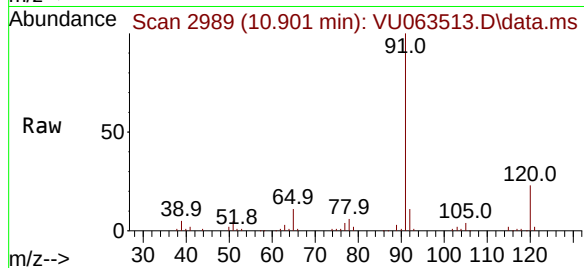
#73
n-propylbenzene
Concen: 1.868 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:120 Resp: 15950
Ion Ratio Lower Upper
120 100
91 434.9 343.1 514.7

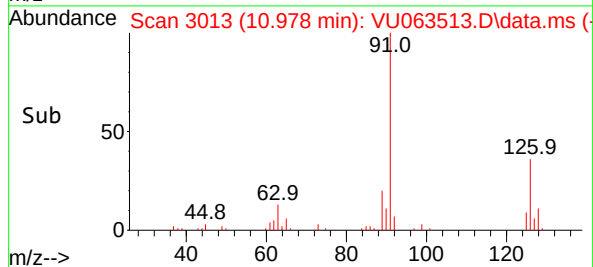
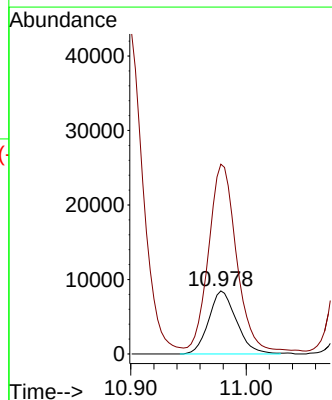
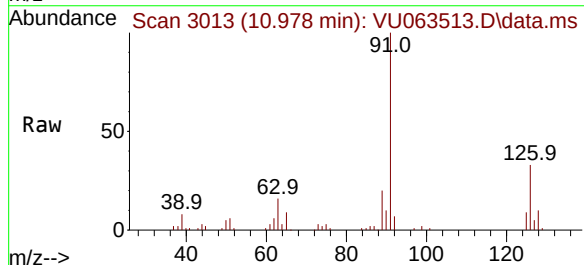
Manual Integrations
APPROVED

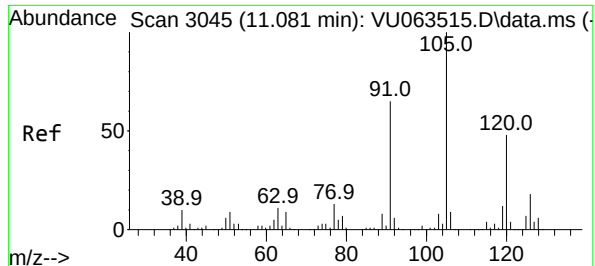
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#74
2-Chlorotoluene
Concen: 1.864 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:126 Resp: 14070
Ion Ratio Lower Upper
126 100
91 299.8 0.0 606.0





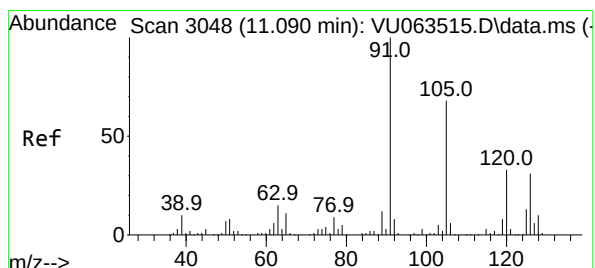
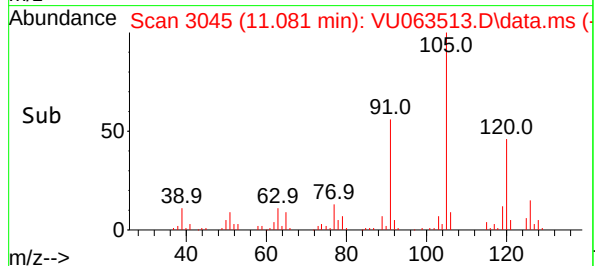
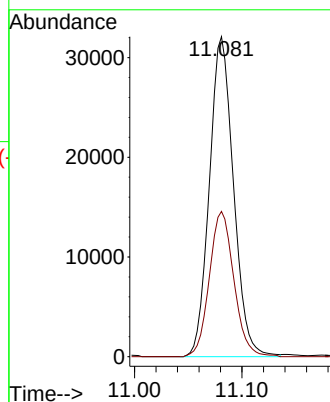
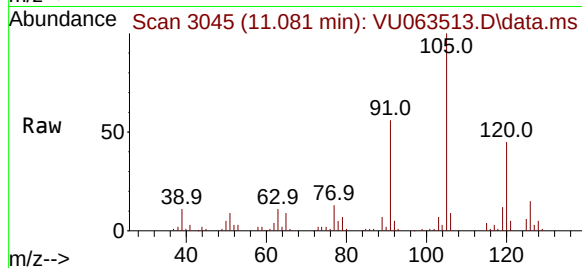
#75
1,3,5-Trimethylbenzene
Concen: 1.847 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 5006
Ion Ratio Lower Upper
105 100
120 46.1 37.8 56.8

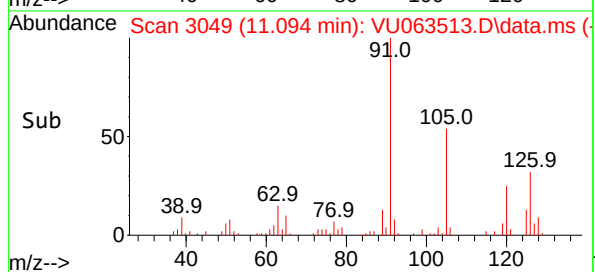
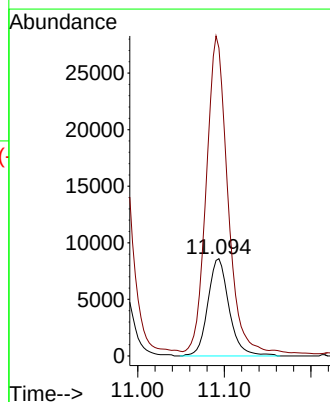
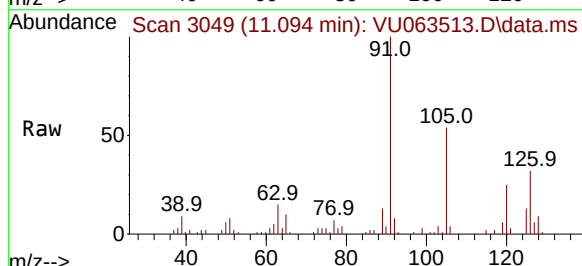
Manual Integrations
APPROVED

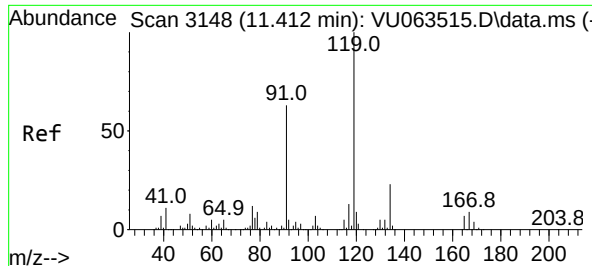
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#76
4-Chlorotoluene
Concen: 1.911 ug/l
RT: 11.094 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VU063513.D
Acq: 16 Jul 2025 10:27

Tgt Ion:126 Resp: 14644
Ion Ratio Lower Upper
126 100
91 322.3 0.0 682.2





#77

tert-Butylbenzene

Concen: 1.860 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

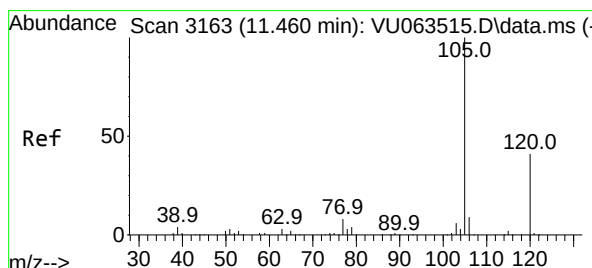
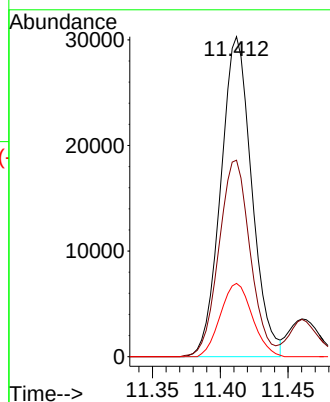
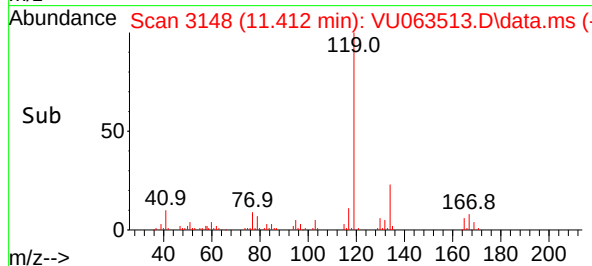
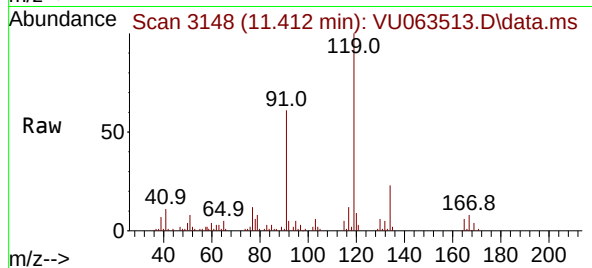
ClientSampleId :

VSTDIC002

Tgt Ion:	119	Resp:	48170
Ion Ratio	Lower	Upper	
119	100		
91	62.0	30.7	92.1
134	23.6	18.5	27.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 1.846 ug/l

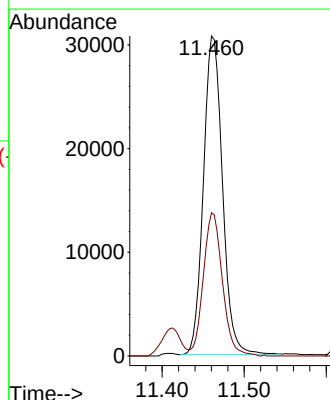
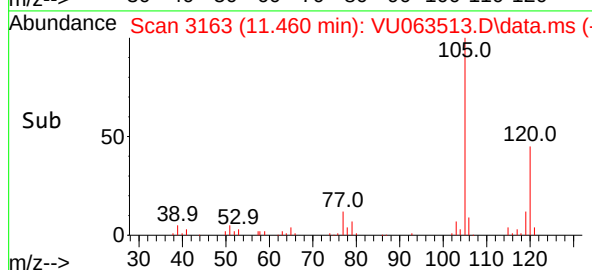
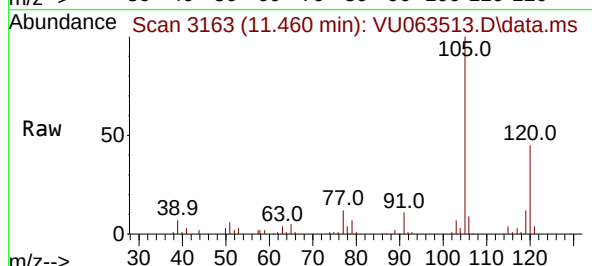
RT: 11.460 min Scan# 3163

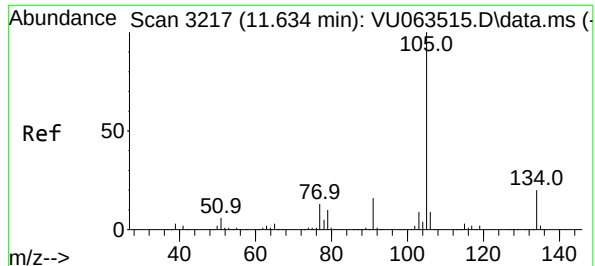
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	105	Resp:	49637
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.7	68.0





#79

sec-Butylbenzene

Concen: 1.845 ug/l

RT: 11.634 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 6444

Ion Ratio Lower Upper

105 100

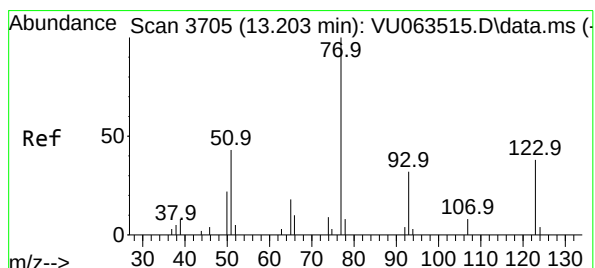
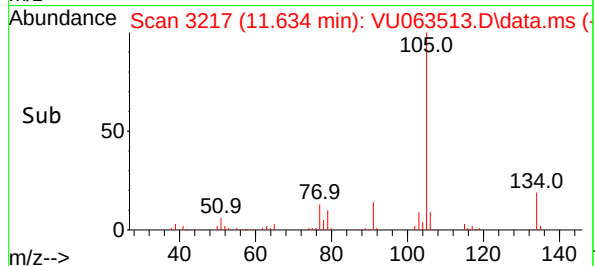
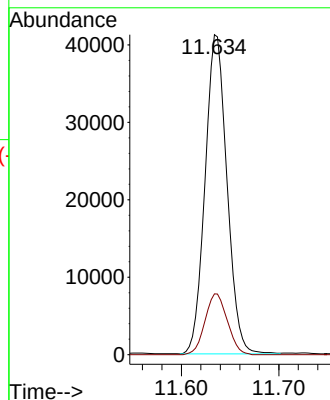
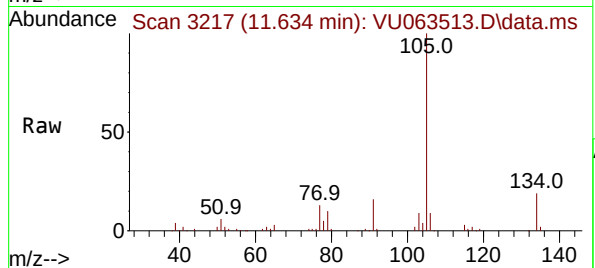
134 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 9.644 ug/l

RT: 13.219 min Scan# 3710

Delta R.T. 0.016 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

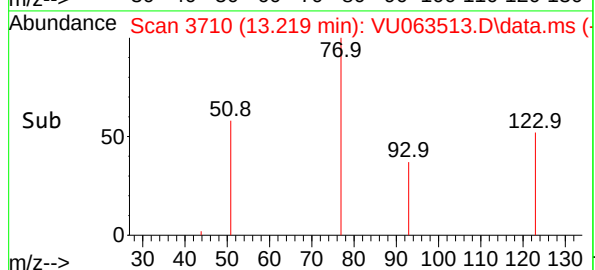
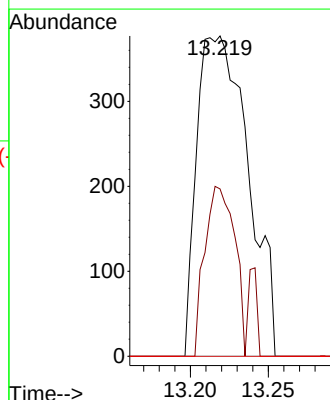
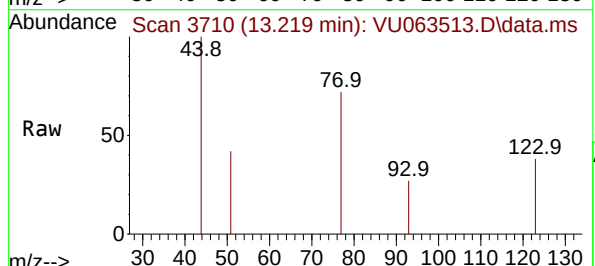
Tgt Ion: 77 Resp: 861

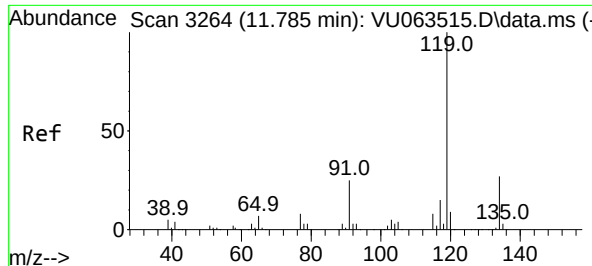
Ion Ratio Lower Upper

77 100

123 31.0 16.9 59.7

65 0.0 16.5 20.9#





#81

p-Isopropyltoluene

Concen: 1.850 ug/l

RT: 11.785 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

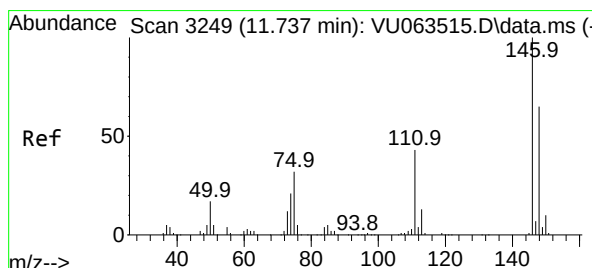
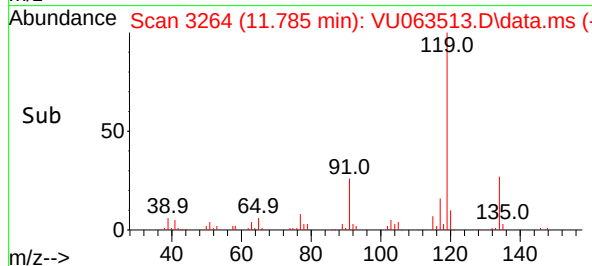
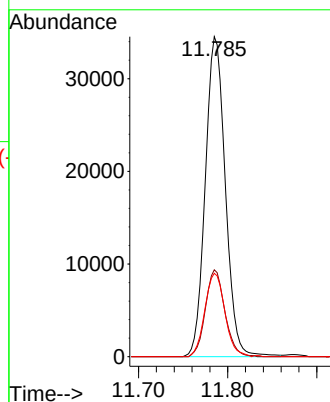
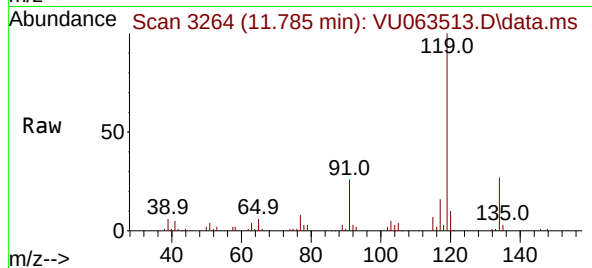
VSTDIC002

Tgt Ion:	119	Resp:	5392
Ion Ratio	Lower	Upper	
119	100		
134	26.3	21.1	31.7
91	26.0	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#82

1,3-Dichlorobenzene

Concen: 1.833 ug/l

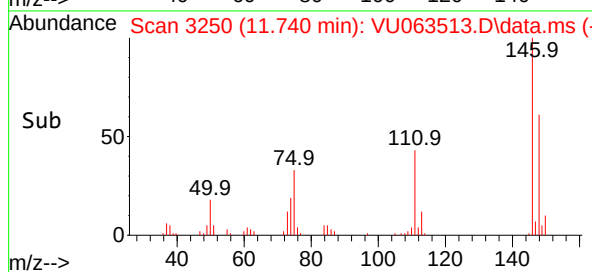
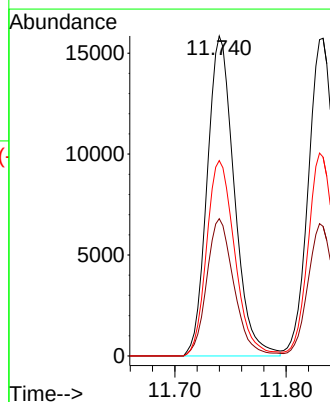
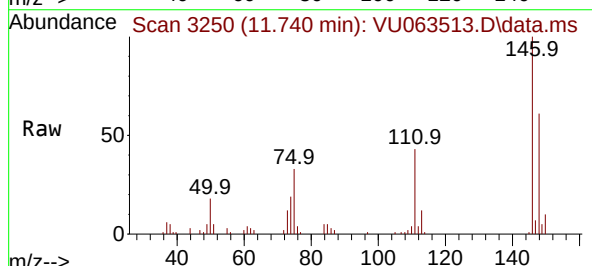
RT: 11.740 min Scan# 3250

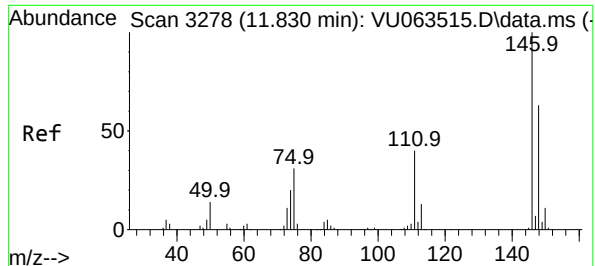
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	146	Resp:	26844
Ion Ratio	Lower	Upper	
146	100		
111	43.2	33.8	50.6
148	63.5	51.5	77.3





#83

1,4-Dichlorobenzene

Concen: 1.818 ug/l

RT: 11.833 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

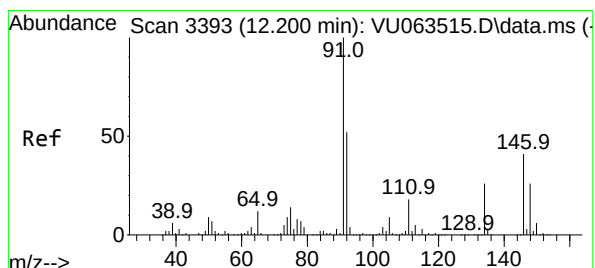
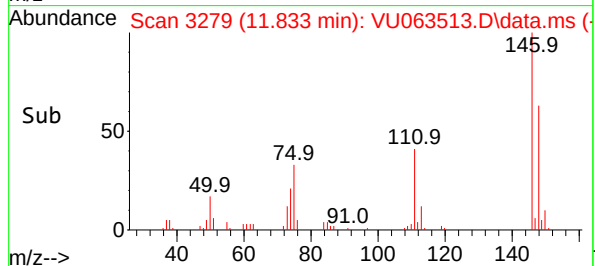
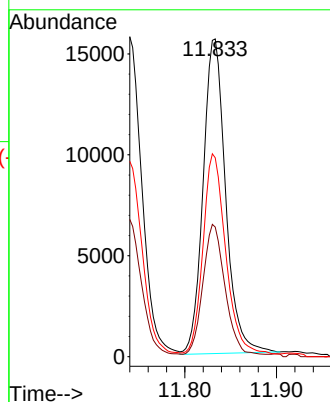
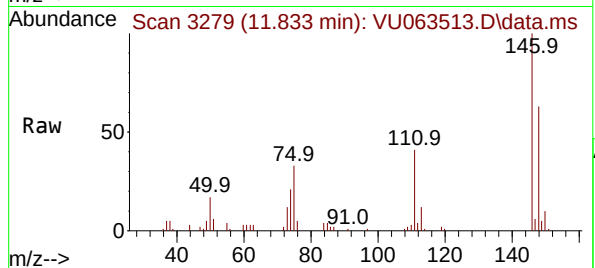
VSTDIC002

Tgt Ion:	146	Resp:	26650
Ion Ratio	Lower	Upper	
146	100		
111	40.4	32.0	48.0
148	64.6	50.2	75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 1.801 ug/l

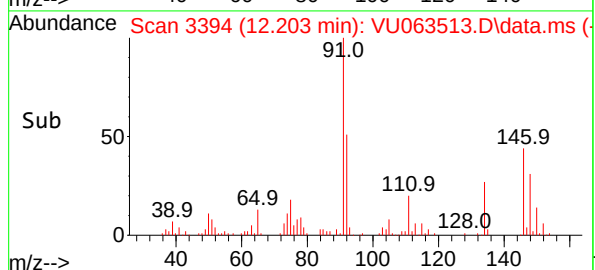
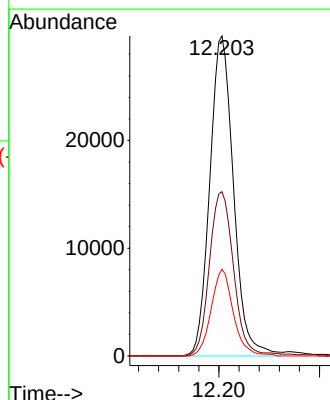
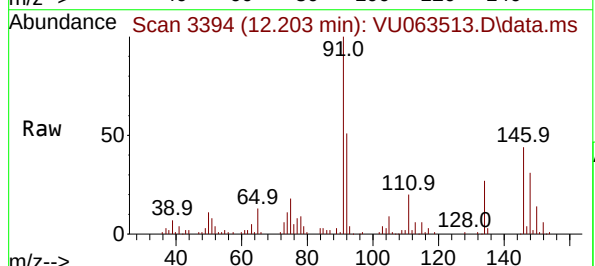
RT: 12.203 min Scan# 3394

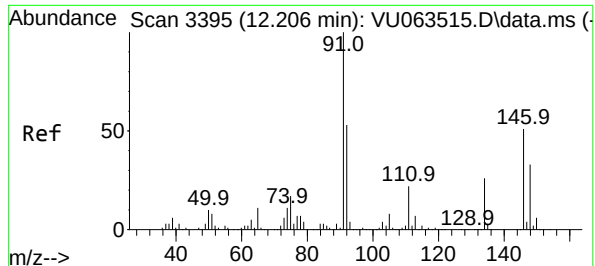
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	91	Resp:	48694
Ion Ratio	Lower	Upper	
91	100		
92	52.6	41.5	62.3
134	25.2	20.6	30.8





#85

1,2-Dichlorobenzene

Concen: 1.805 ug/l

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

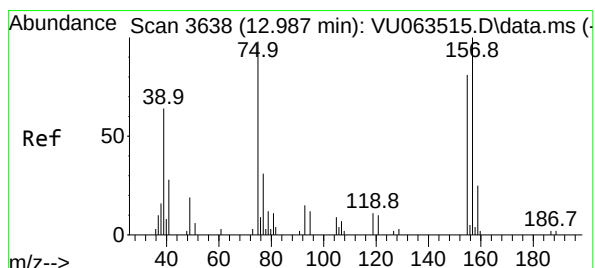
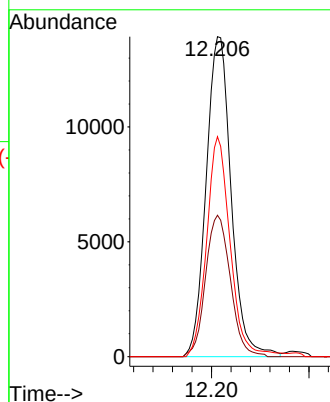
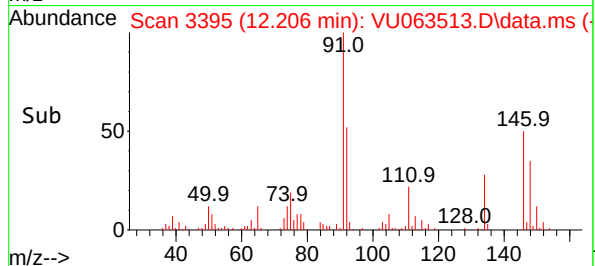
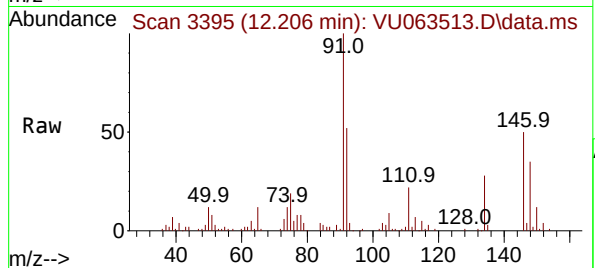
ClientSampleId :

VSTDICC002

Tgt Ion:	146	Resp:	24834
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	64.9	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.046 ug/l

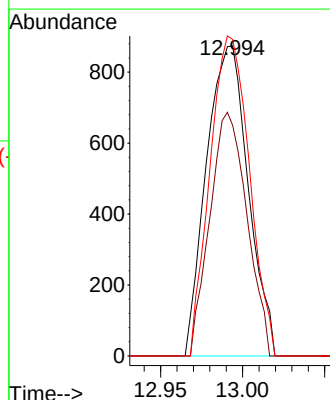
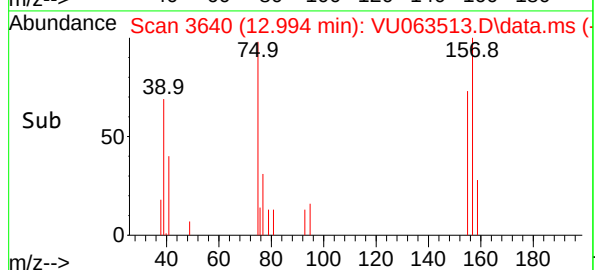
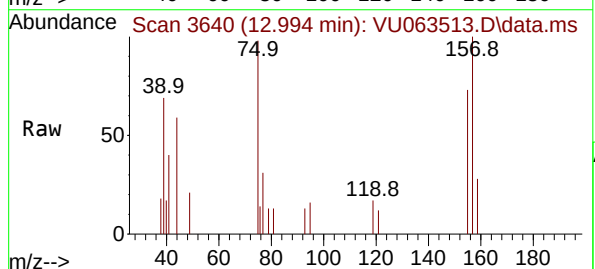
RT: 12.994 min Scan# 3640

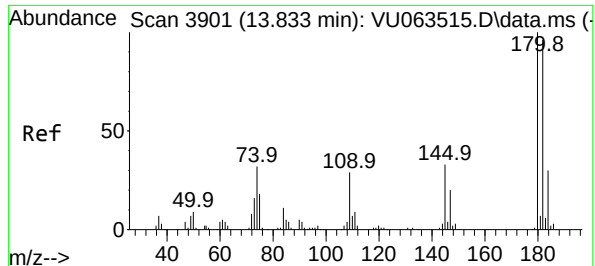
Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	75	Resp:	1550
Ion	Ratio	Lower	Upper
75	100		
155	69.8	65.8	98.6
157	97.1	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 1.791 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA_U

ClientSampleId :

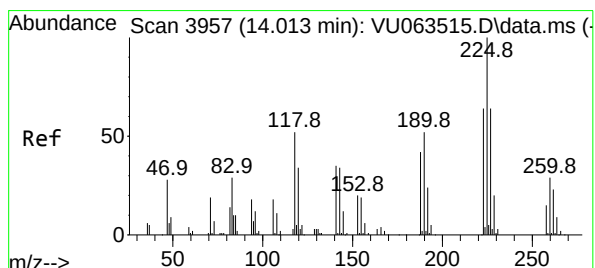
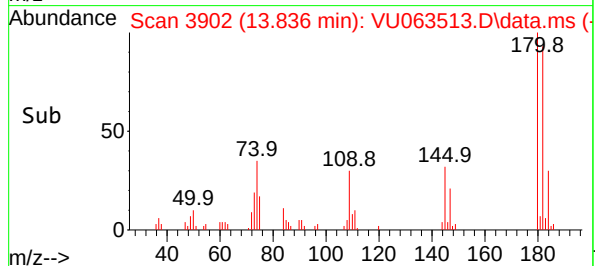
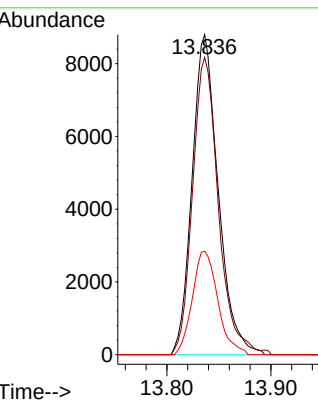
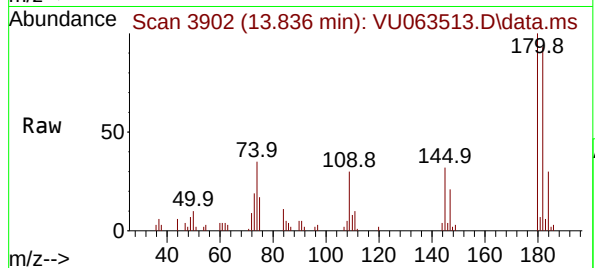
VSTDICC002

Tgt Ion:	180	Resp:	1532
Ion Ratio	Lower	Upper	
180	100		
182	91.9	76.2	114.4
145	31.6	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 1.826 ug/l

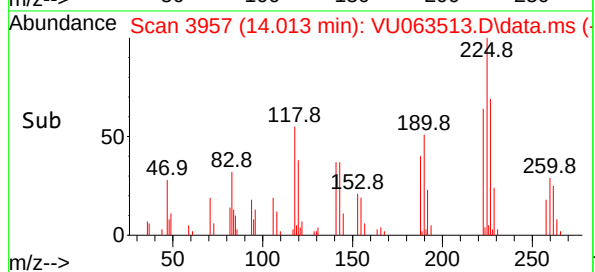
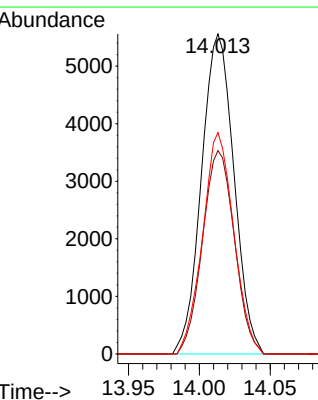
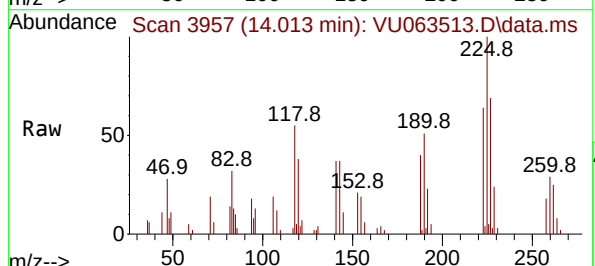
RT: 14.013 min Scan# 3957

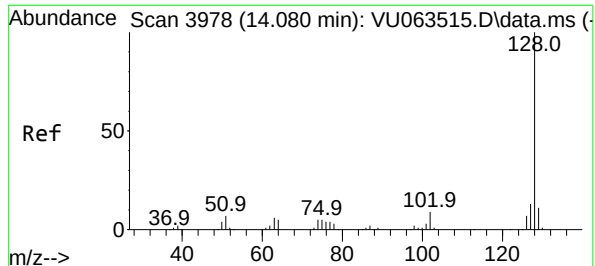
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	225	Resp:	8872
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.8	76.2
227	66.2	51.0	76.6





#89

Naphthalene

Concen: 1.675 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

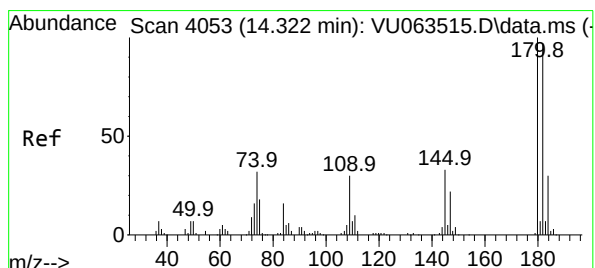
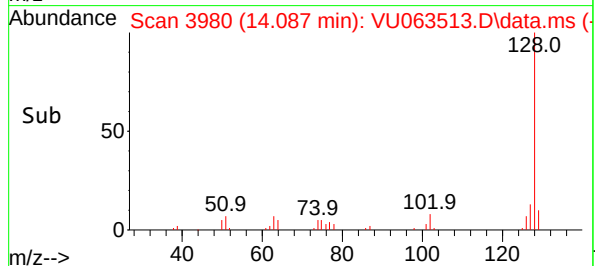
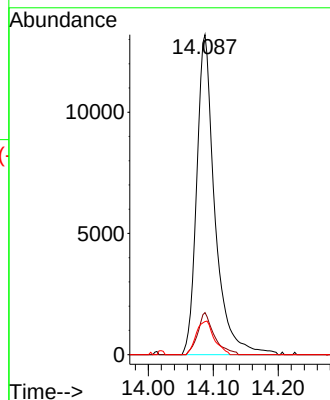
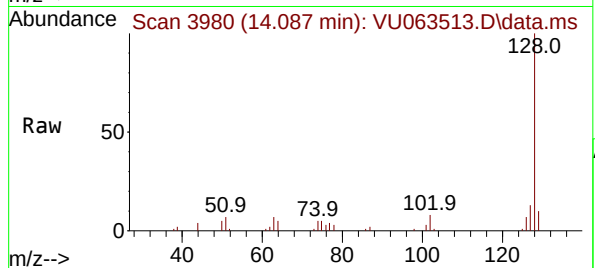
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:	128	Resp:	2569
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	10.4	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#90

1,2,3-Trichlorobenzene

Concen: 1.770 ug/l

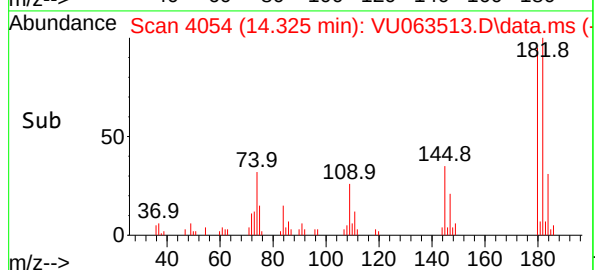
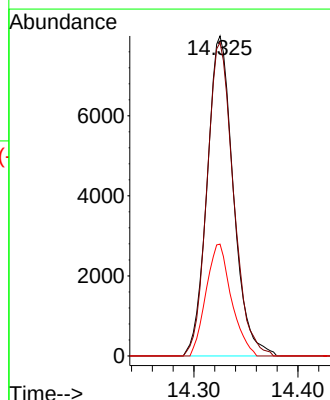
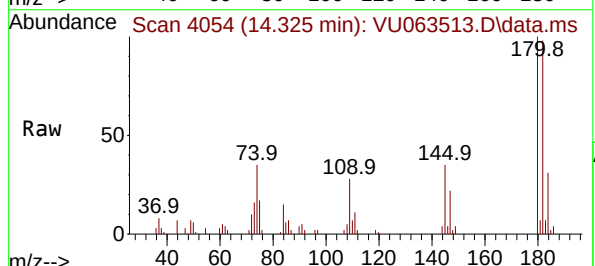
RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion:	180	Resp:	13999
Ion	Ratio	Lower	Upper
180	100		
182	98.2	78.0	117.0
145	33.8	27.3	40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063514.D
 Acq On : 16 Jul 2025 11:00
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:24:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.097	96	26058	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9401	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	8923	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	37785	4.918	ug/l	100
3) Chloromethane	1.518	50	35181	4.926	ug/l	99
4) Vinyl Chloride	1.599	62	44244	4.864	ug/l	99
5) Bromomethane	1.846	94	32799	4.782	ug/l	100
6) Chloroethane	1.923	64	26955	4.908	ug/l	99
7) Trichlorofluoromethane	2.129	101	64344	4.927	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	34008	4.983	ug/l	99
9) 1,1-Dichloroethene	2.566	96	33329	4.927	ug/l	98
10) Iodomethane	2.708	142	39902	4.500	ug/l	99
11) Allyl Chloride	2.907	41	46826	4.791	ug/l	97
12) Acrylonitrile	3.306	53	16229	9.586	ug/l	99
13) Acetone	2.618	43	29387	21.677	ug/l	98
14) Carbon Disulfide	2.779	76	106742	4.885	ug/l	99
15) Methylene Chloride	3.029	84	37774	4.742	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	37017	4.818	ug/l	96
17) 1,1-Dichloroethane	3.849	63	70167	4.927	ug/l	98
18) 2-Butanone	4.714	43	48390	23.049	ug/l	100
19) Cyclohexane	5.361	56	58522	4.854	ug/l	100
20) Methylcyclohexane	6.740	83	52941	4.517	ug/l	98
21) 2,2-Dichloropropane	4.644	77	56419	4.653	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	40321	4.836	ug/l	99
23) Diethyl Ether	2.370	59	25929	5.030	ug/l	99
24) tert-Butyl Alcohol	3.190	59	29561	47.503	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	86741	4.911	ug/l	98
26) Bromochloromethane	4.955	128	17243	4.953	ug/l	95
27) Chloroform	5.071	83	70739	4.868	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	61347	4.974	ug/l	99
29) 1,1-Dichloropropene	5.505	75	55976	4.899	ug/l	99
30) Carbon Tetrachloride	5.499	117	49682	5.005	ug/l	100
31) Isopropyl Ether	3.994	45	105534	4.909	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	94505	4.751	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	84936	4.920	ug/l	99
34) Propionitrile	4.775	54	16304	25.489	ug/l	96
35) Benzene	5.753	78	156970	5.113	ug/l	96
36) 1,2-Dichloroethane	5.782	62	48312	5.065	ug/l	100
37) Trichloroethene	6.525	130	35295	4.506	ug/l	94
38) 1,2-Dichloropropane	6.782	63	33611	4.678	ug/l	98
39) Methacrylonitrile	4.972	41	12545	4.468	ug/l	96
40) Methyl acrylate	4.846	55	19739	4.749	ug/l	98
41) Tetrahydrofuran	5.058	42	13119	8.771	ug/l	99
42) 1-Chlorobutane	5.438	56	75929	4.999	ug/l	93
43) Dibromomethane	6.907	93	17942	4.821	ug/l	95
44) Bromodichloromethane	7.094	83	40349	4.807	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063514.D
 Acq On : 16 Jul 2025 11:00
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:24:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	95213	24.821	ug/l	99
46) t-1,4-Dichloro-2-butene	10.823	75	13369m	9.823	ug/l	
47) Methyl methacrylate	6.965	69	30554	9.775	ug/l	97
48) Ethyl methacrylate	8.335	69	29487	4.943	ug/l	95
49) Toluene	7.959	92	83681	4.993	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	32573	4.946	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	43517	4.923	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	24935	4.976	ug/l	98
53) 1,3-Dichloropropane	8.569	76	42938	4.964	ug/l	98
54) 2-Hexanone	8.688	43	62636	24.583	ug/l	99
55) Dibromochloromethane	8.801	129	26834	5.067	ug/l	98
56) 1,2-Dibromoethane	8.917	107	22293	4.971	ug/l	100
58) Tetrachloroethene	8.544	164	35190	4.909	ug/l	98
59) Chlorobenzene	9.441	112	95389	4.955	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	30337	4.901	ug/l	98
61) Pentachloroethane	11.418	117	21959	5.020	ug/l	96
62) Hexachloroethane	12.466	117	22137	5.110	ug/l	97
63) Ethyl Benzene	9.563	91	163996	4.951	ug/l	99
64) m/p-Xylenes	9.685	106	127196	9.878	ug/l	98
65) o-Xylene	10.090	106	61641	4.982	ug/l	98
66) Styrene	10.106	104	99507	5.046	ug/l	98
67) Bromoform	10.283	173	13680	5.030	ug/l	99
69) Isopropylbenzene	10.476	105	149628	5.002	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	29913	4.906	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	23113m	4.645	ug/l	
72) Bromobenzene	10.775	156	38144	4.941	ug/l	99
73) n-propylbenzene	10.897	120	44825	4.978	ug/l	96
74) 2-Chlorotoluene	10.978	126	39249	4.932	ug/l	94
75) 1,3,5-Trimethylbenzene	11.081	105	143599	5.025	ug/l	100
76) 4-Chlorotoluene	11.090	126	40518	5.014	ug/l	100
77) tert-Butylbenzene	11.412	119	135731	4.970	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	142811	5.038	ug/l	99
79) sec-Butylbenzene	11.634	105	184683	5.015	ug/l	100
80) Nitrobenzene	13.206	77	2721	23.955	ug/l #	90
81) p-Isopropyltoluene	11.785	119	156566	5.093	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	77340	5.007	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	76910	4.975	ug/l	99
84) n-Butylbenzene	12.200	91	145033	5.087	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	71942	4.958	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	4378	4.863	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	44492	4.931	ug/l	99
88) Hexachlorobutadiene	14.013	225	25355	4.948	ug/l	99
89) Naphthalene	14.081	128	76448	4.728	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	41834	5.017	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063514.D
 Acq On : 16 Jul 2025 11:00
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

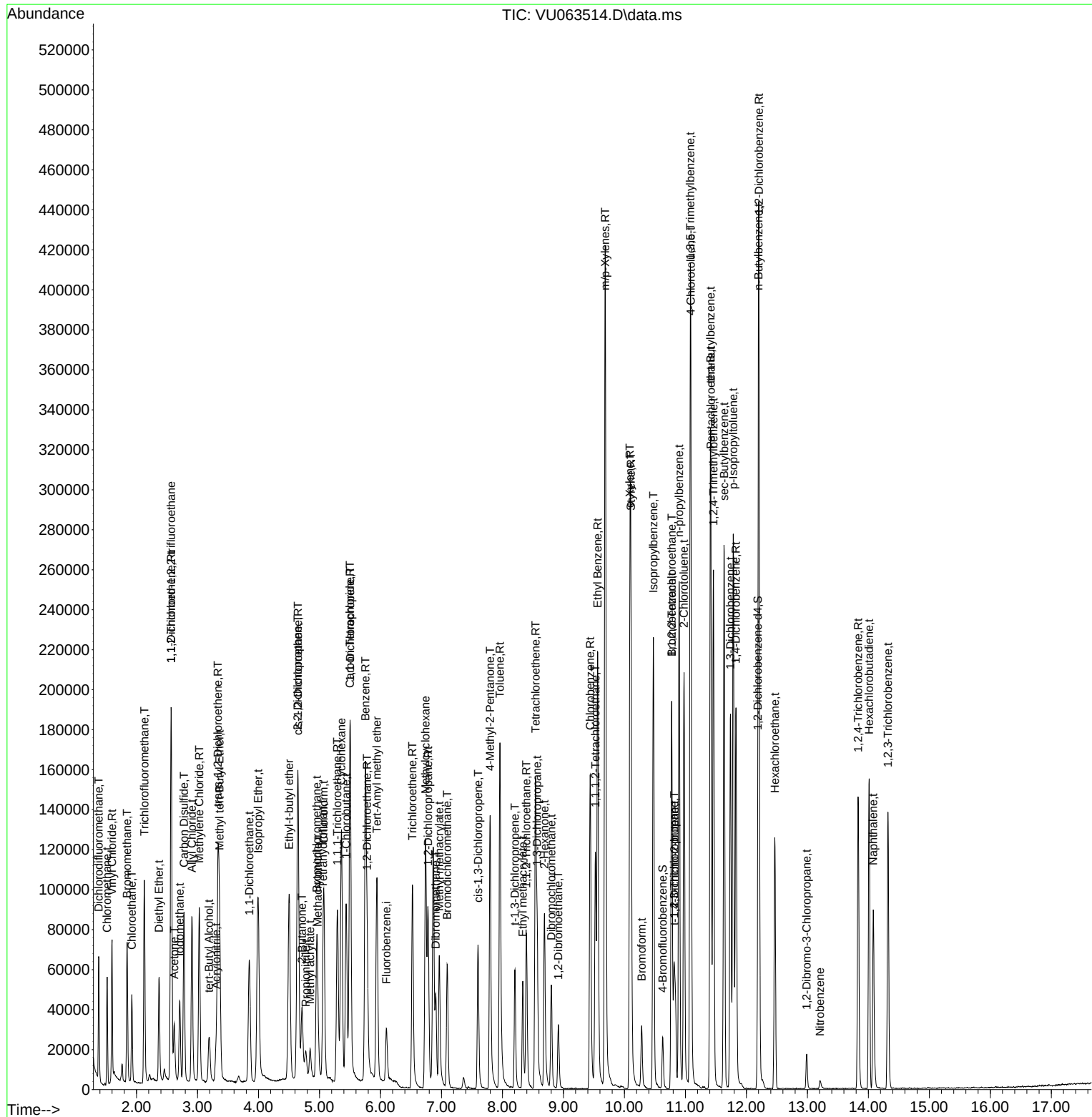
Quant Time: Jul 17 03:24:14 2025

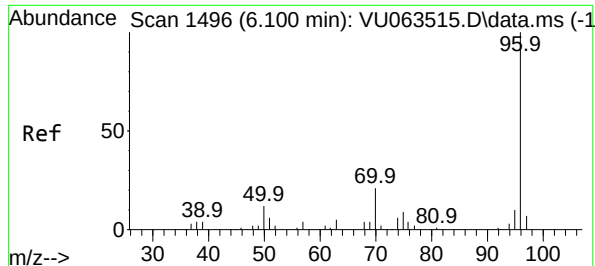
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration





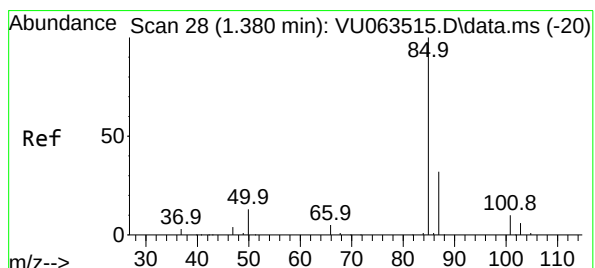
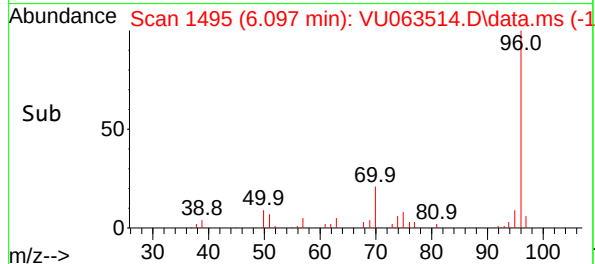
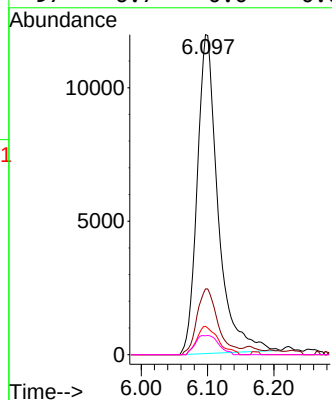
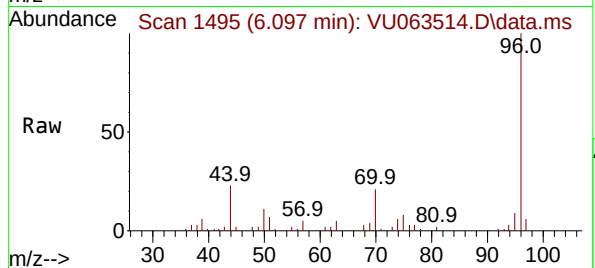
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 26058
Ion Ratio Lower Upper
96 100
70 18.6 15.0 22.4
95 9.1 7.4 11.0
97 6.7 0.0 0.0#

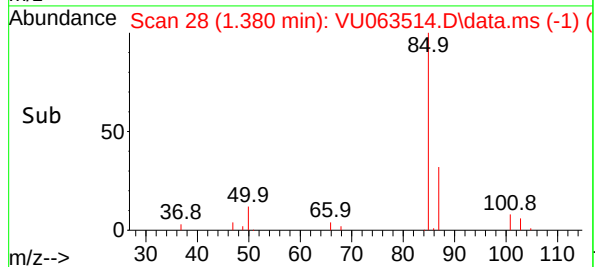
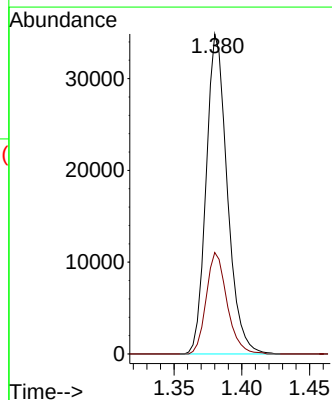
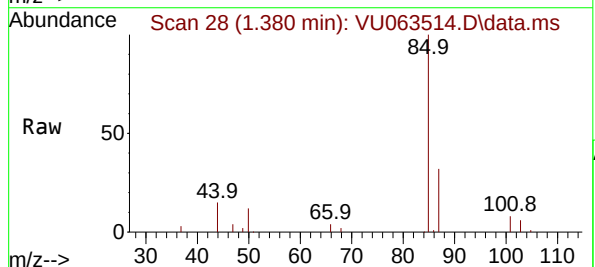
Manual Integrations
APPROVED

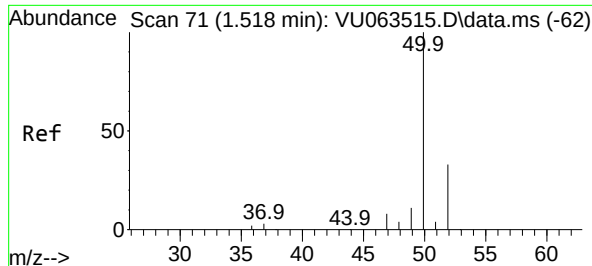
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 4.918 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 85 Resp: 37785
Ion Ratio Lower Upper
85 100
87 31.7 16.0 47.9





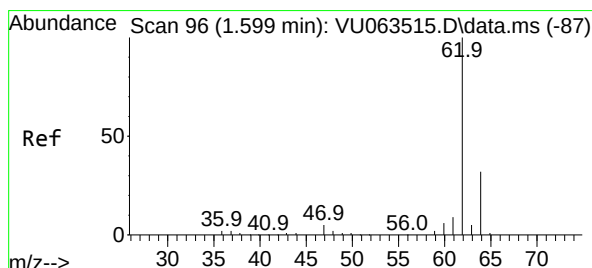
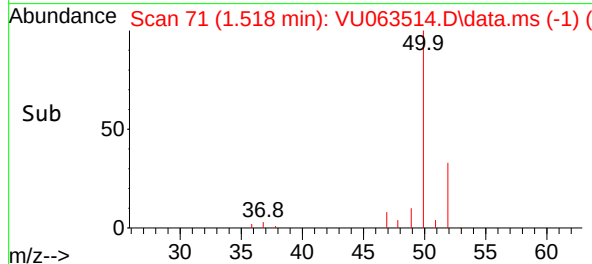
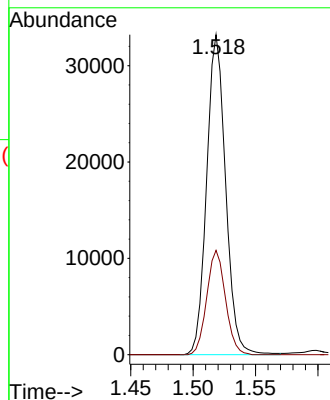
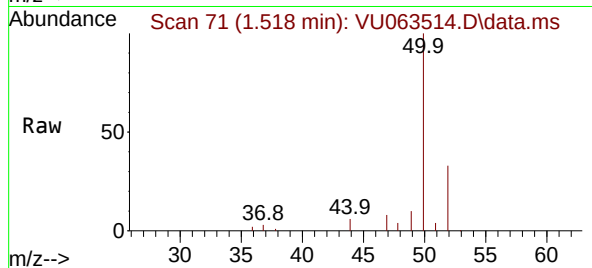
#3
Chloromethane
Concen: 4.926 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 3518
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5

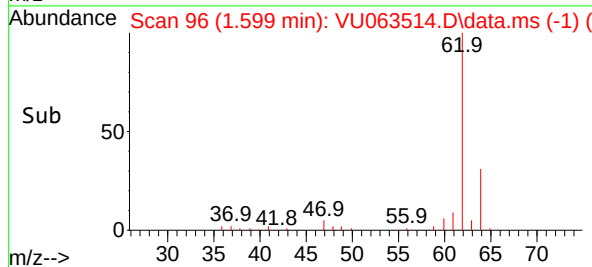
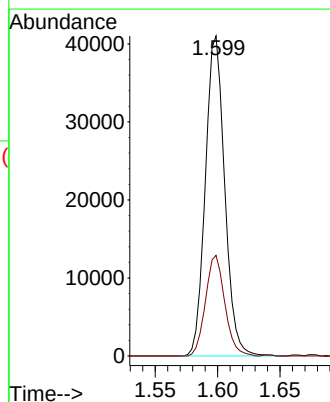
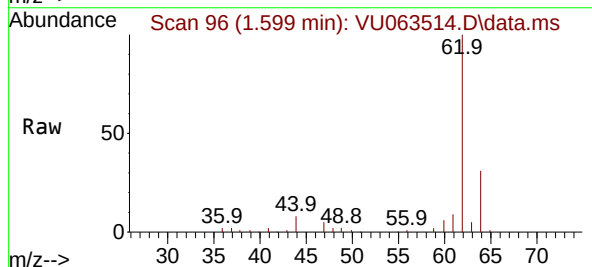
Manual Integrations
APPROVED

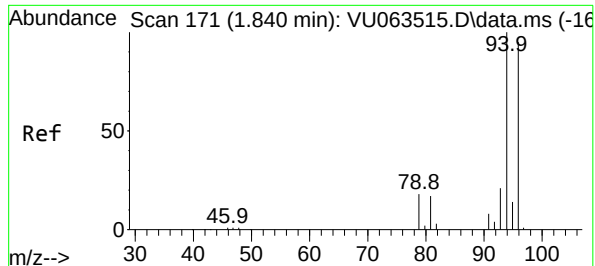
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 4.864 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 62 Resp: 44244
Ion Ratio Lower Upper
62 100
64 31.5 25.7 38.5





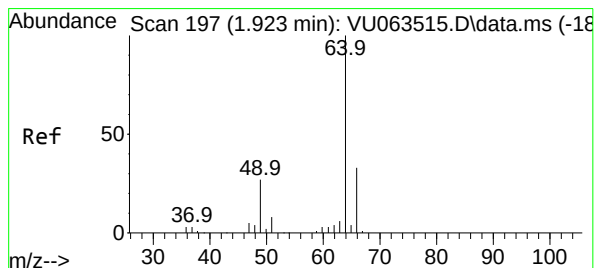
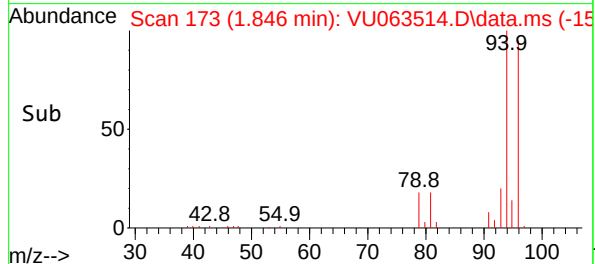
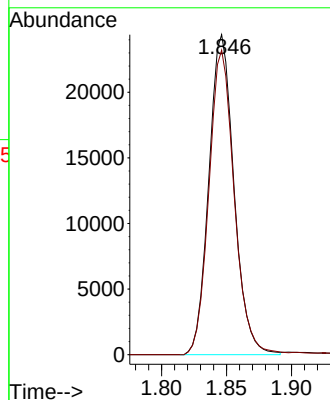
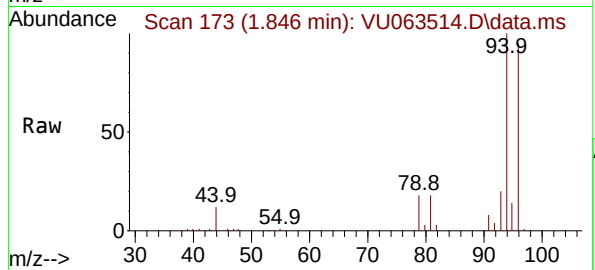
#5
Bromomethane
Concen: 4.782 ug/l
RT: 1.846 min Scan# 171
Delta R.T. 0.006 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 32799
Ion Ratio Lower Upper
94 100
96 95.1 75.8 113.6

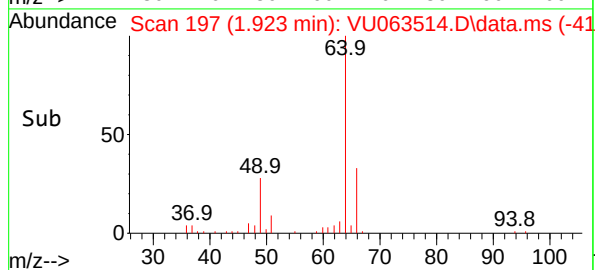
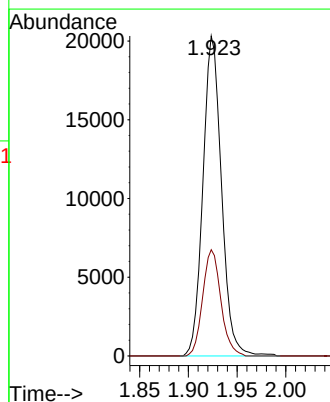
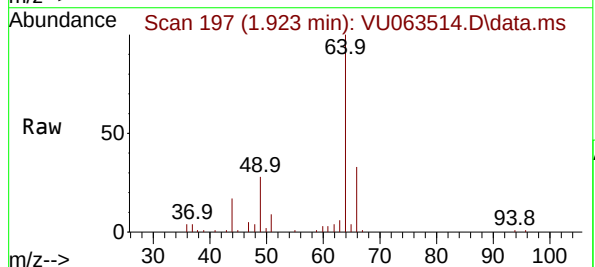
Manual Integrations
APPROVED

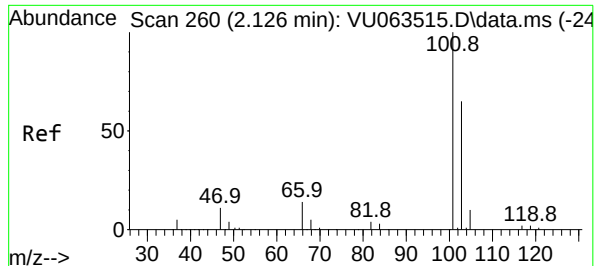
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#6
Chloroethane
Concen: 4.908 ug/l
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 64 Resp: 26955
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.4





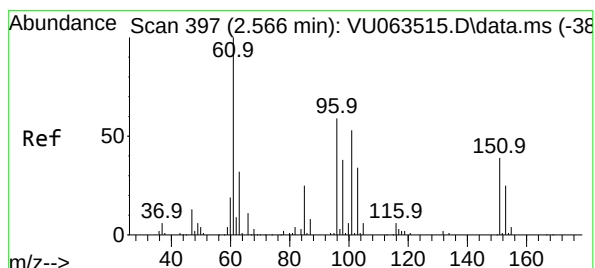
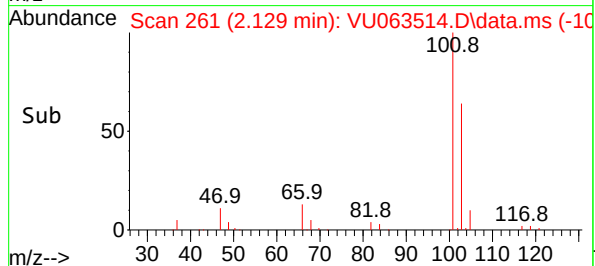
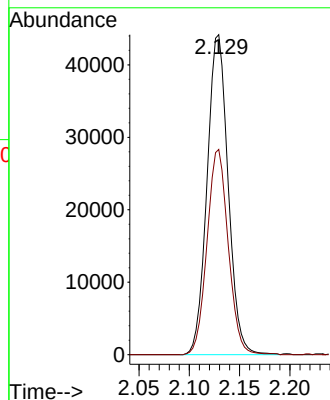
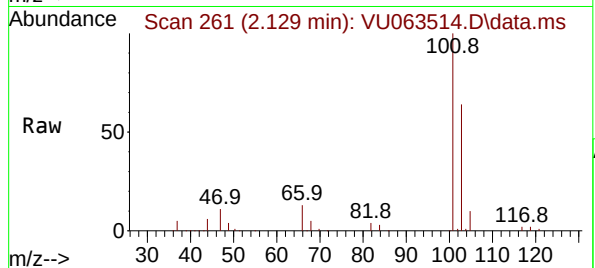
#7
Trichlorofluoromethane
Concen: 4.927 ug/l
RT: 2.129 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6434
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

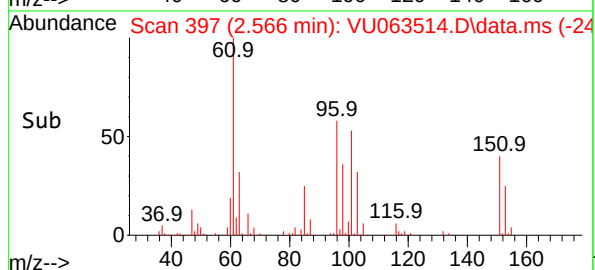
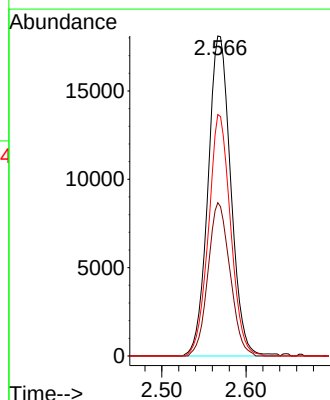
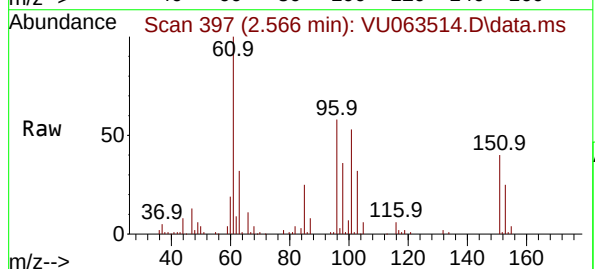
Manual Integrations
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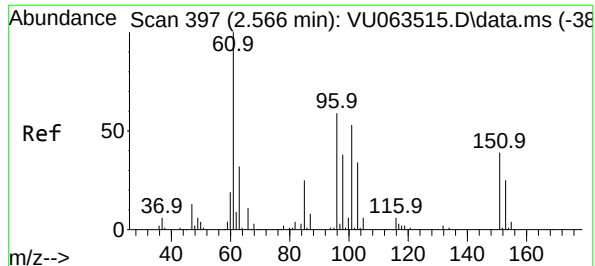
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.983 ug/l
RT: 2.566 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:101 Resp: 34008
Ion Ratio Lower Upper
101 100
85 46.3 37.8 56.6
151 73.2 59.2 88.8





#9

1,1-Dichloroethene

Concen: 4.927 ug/l

RT: 2.566 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

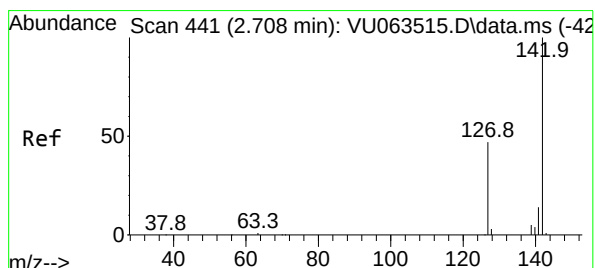
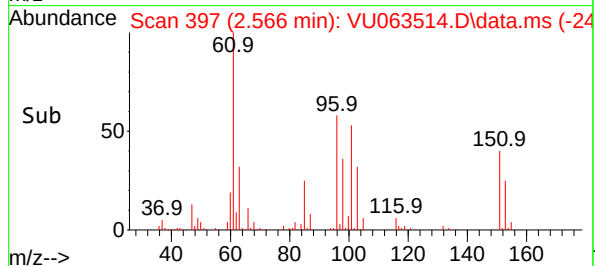
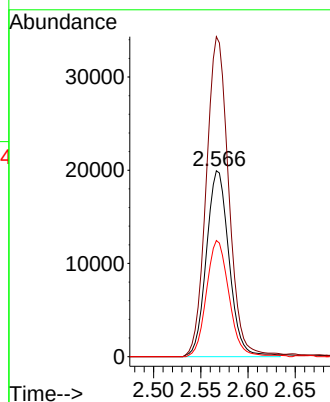
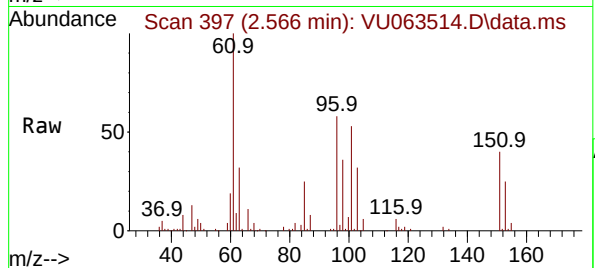
VSTDIC005

Tgt Ion:	96	Resp:	33329
Ion Ratio	Lower	Upper	
96	100		
61	172.1	0.0	504.3
98	62.5	0.0	126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 4.500 ug/l

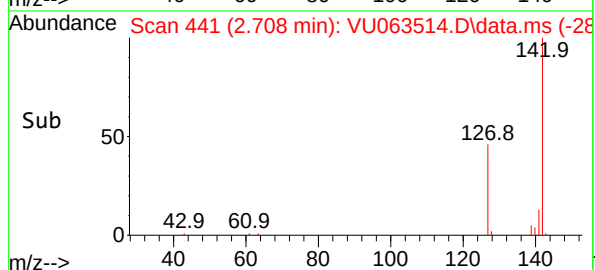
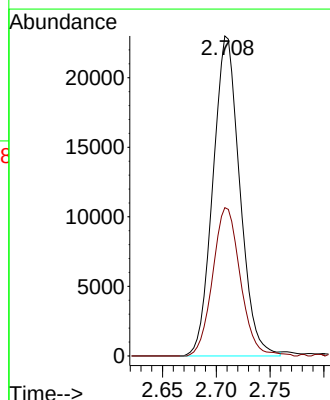
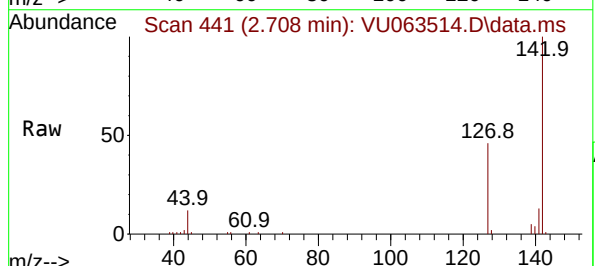
RT: 2.708 min Scan# 441

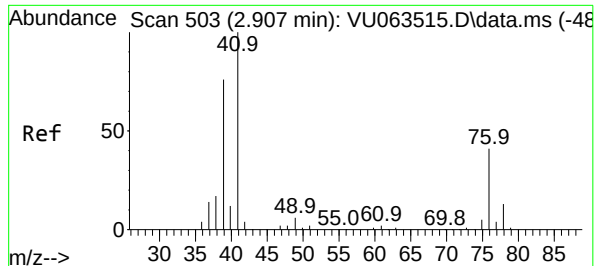
Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	142	Resp:	39902
Ion Ratio	Lower	Upper	
142	100		
127	47.8	37.9	56.9





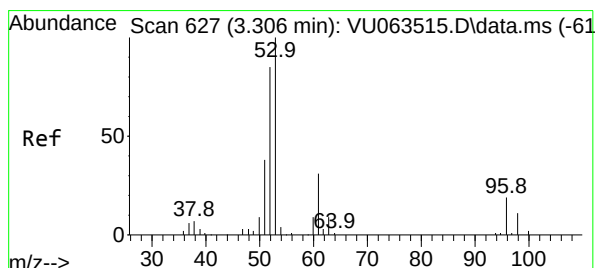
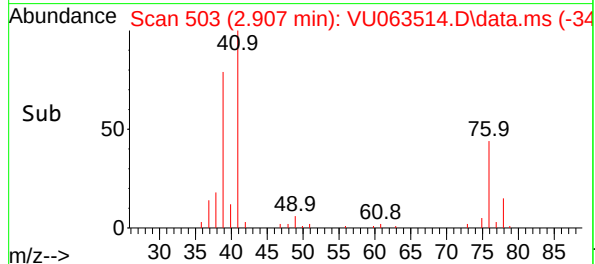
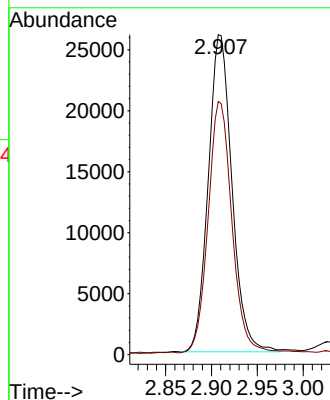
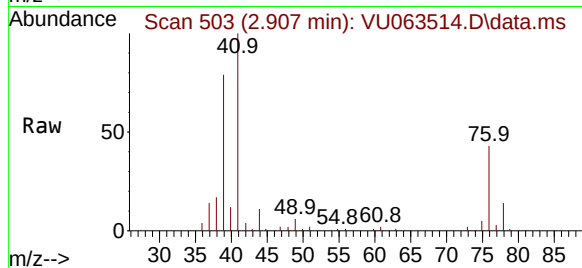
#11
Allyl Chloride
Concen: 4.791 ug/l
RT: 2.907 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 46820
Ion Ratio Lower Upper
41 100
39 79.6 61.5 92.3

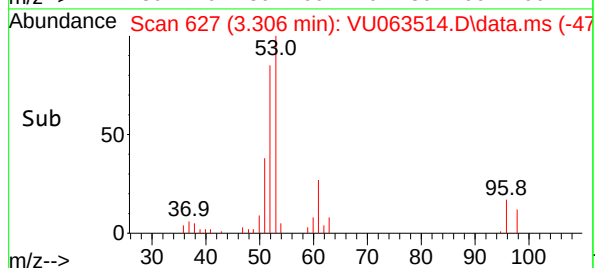
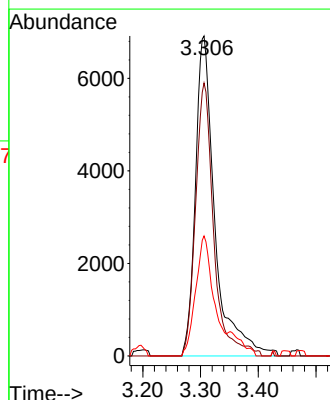
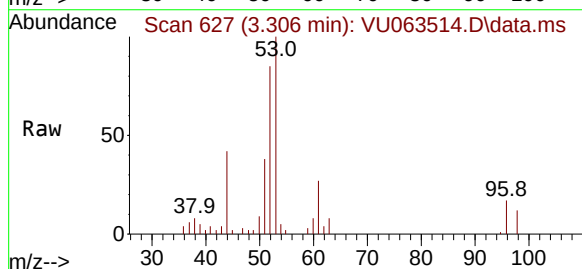
Manual Integrations
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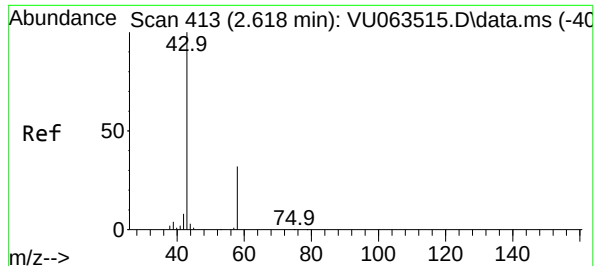
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#12
Acrylonitrile
Concen: 9.586 ug/l
RT: 3.306 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 53 Resp: 16229
Ion Ratio Lower Upper
53 100
52 79.2 64.3 96.5
51 34.4 27.8 41.8





#13

Acetone

Concen: 21.677 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 2938

Ion Ratio Lower Upper

43 100

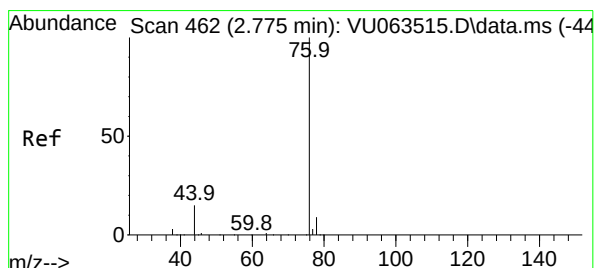
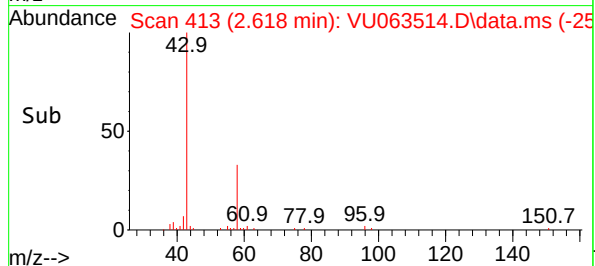
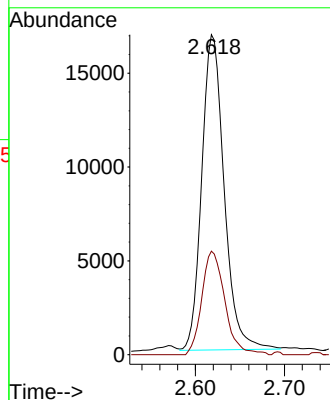
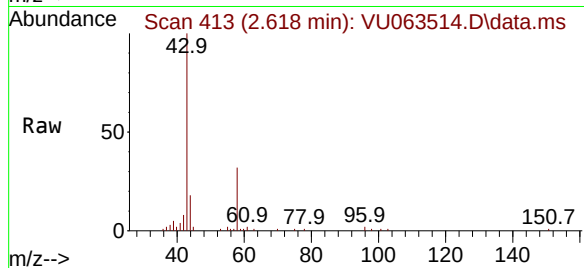
58 32.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 4.885 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063514.D

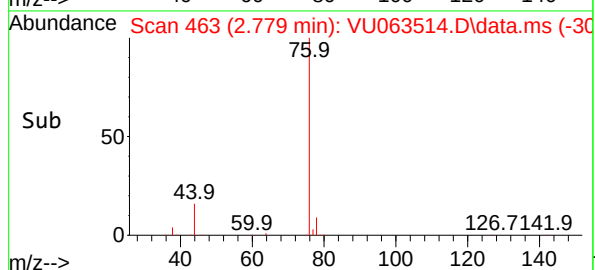
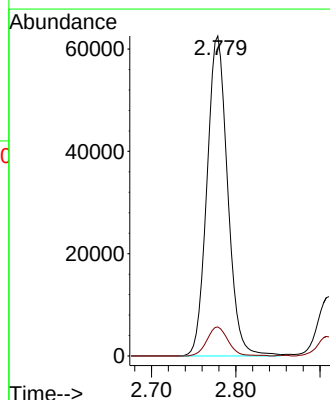
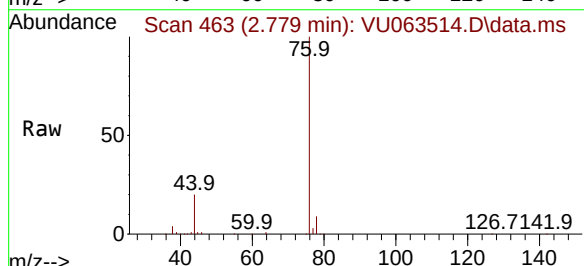
Acq: 16 Jul 2025 11:00

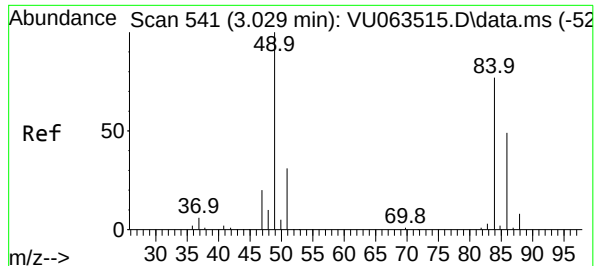
Tgt Ion: 76 Resp: 106742

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methylene Chloride

Concen: 4.742 ug/l

RT: 3.029 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 37774

Ion Ratio Lower Upper

84 100

49 127.3 103.8 155.8

51 40.4 0.0 80.4

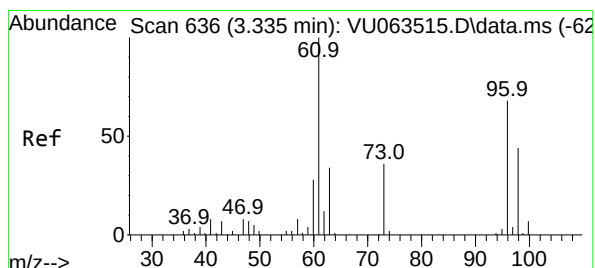
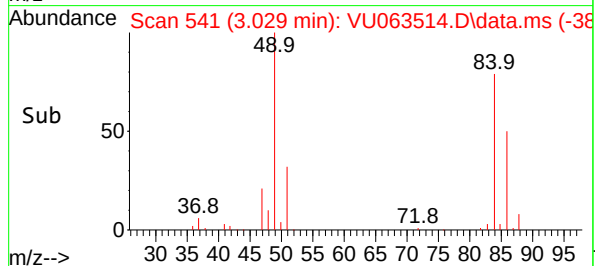
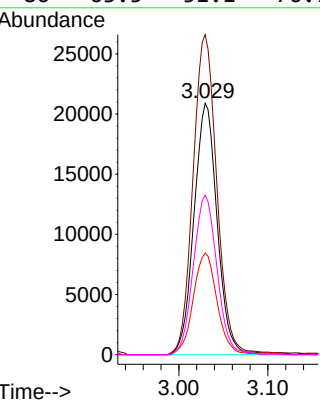
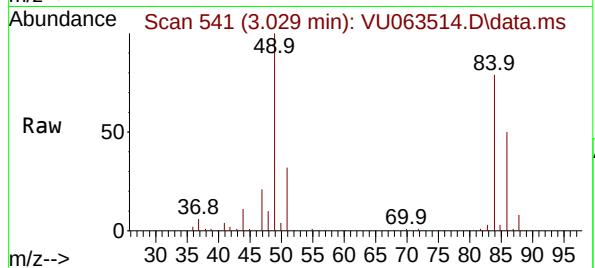
86 63.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#16

trans-1,2-Dichloroethene

Concen: 4.818 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

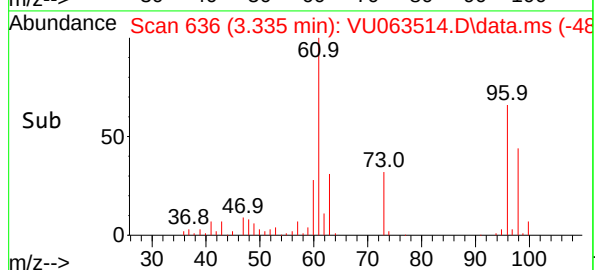
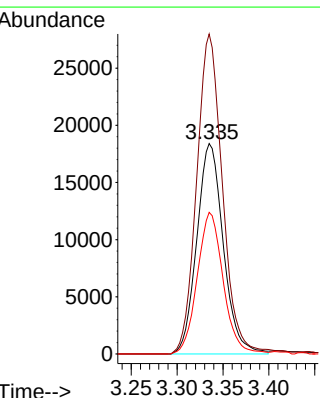
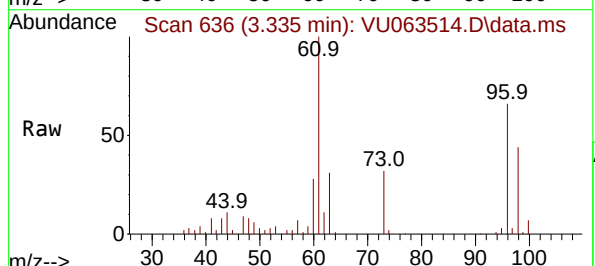
Tgt Ion: 96 Resp: 37017

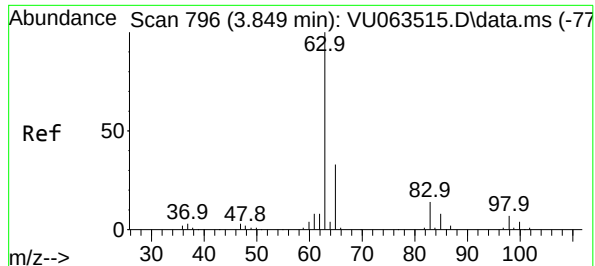
Ion Ratio Lower Upper

96 100

61 152.1 117.2 175.8

98 67.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 4.927 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

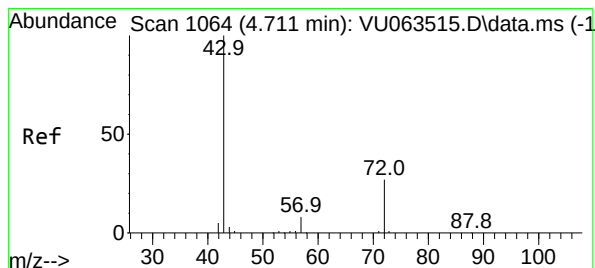
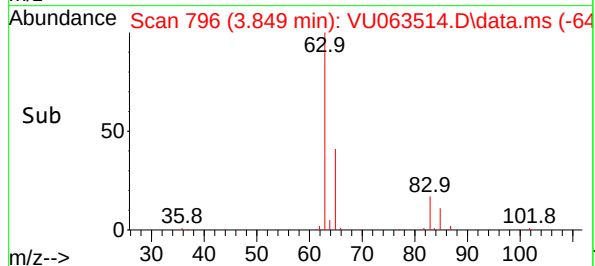
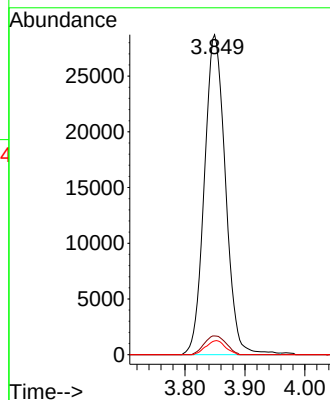
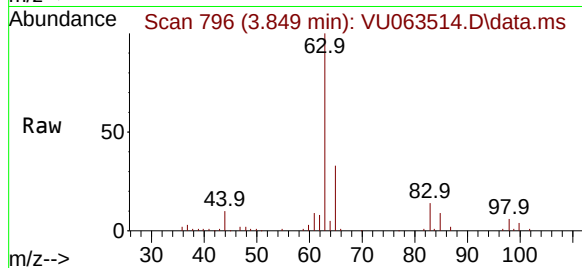
ClientSampleId :

VSTDICC005

Tgt Ion:	63	Resp:	7016
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.4	10.2
100	4.3	2.1	6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 23.049 ug/l

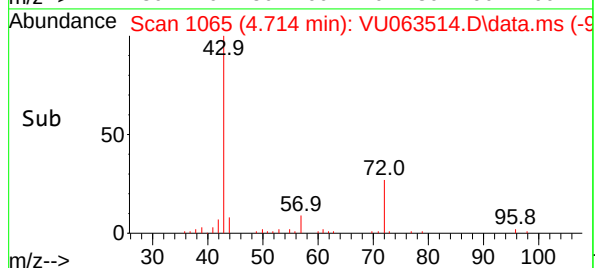
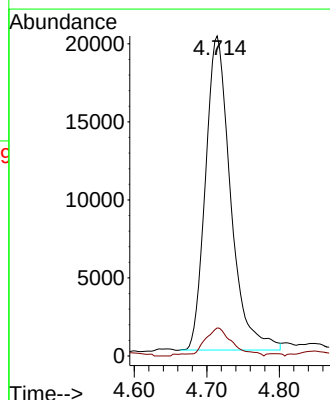
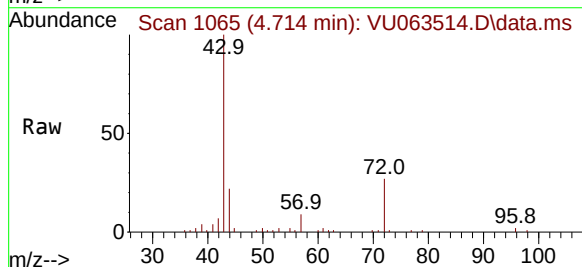
RT: 4.714 min Scan# 1065

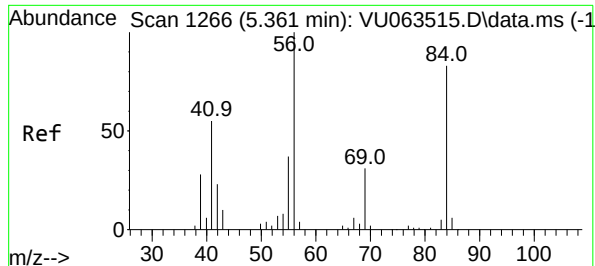
Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	43	Resp:	48390
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	16.4





#19

Cyclohexane

Concen: 4.854 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

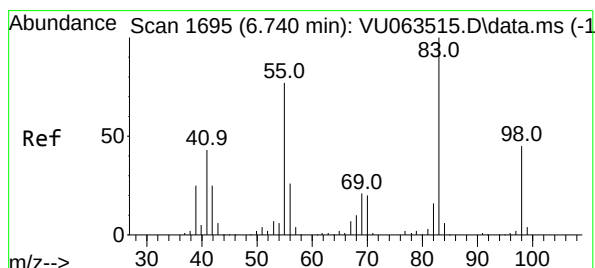
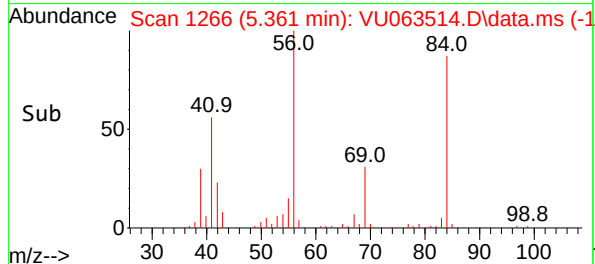
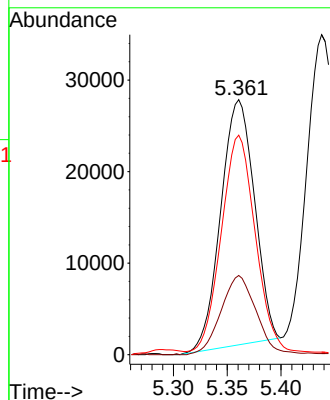
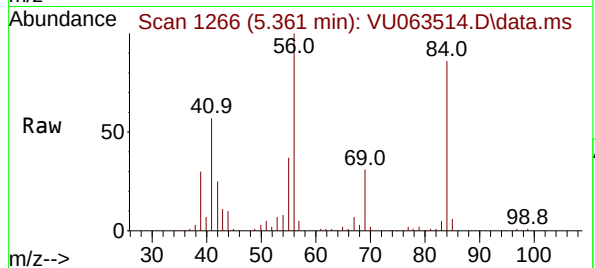
ClientSampleId :

VSTDIC005

Tgt Ion:	56	Resp:	5852
Ion Ratio	Lower	Upper	
56	100		
69	32.7	26.6	39.8
84	88.7	71.0	106.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 4.517 ug/l

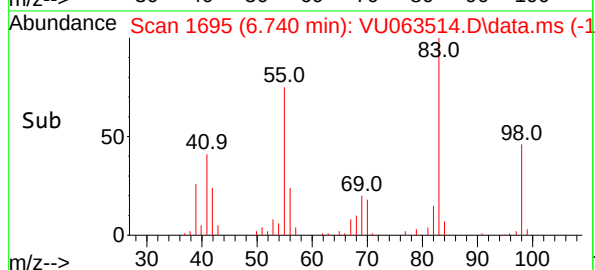
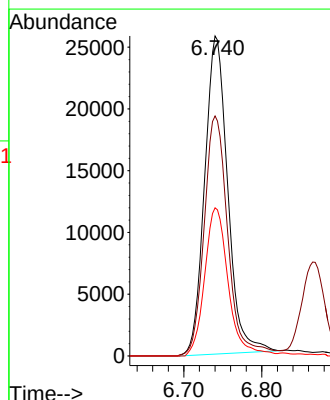
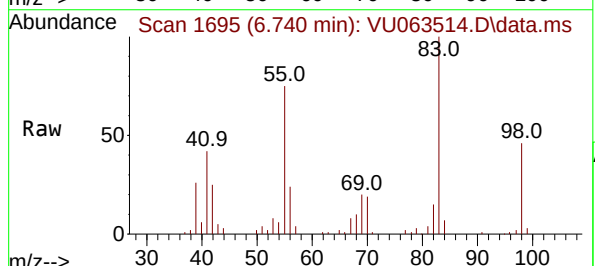
RT: 6.740 min Scan# 1695

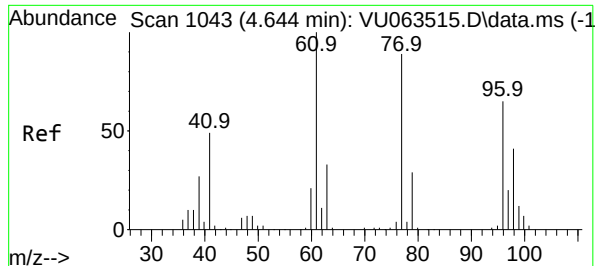
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	83	Resp:	52941
Ion Ratio	Lower	Upper	
83	100		
55	74.8	60.6	90.8
98	46.5	35.8	53.8





#21

2,2-Dichloropropane

Concen: 4.653 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 56419

Ion Ratio Lower Upper

77 100

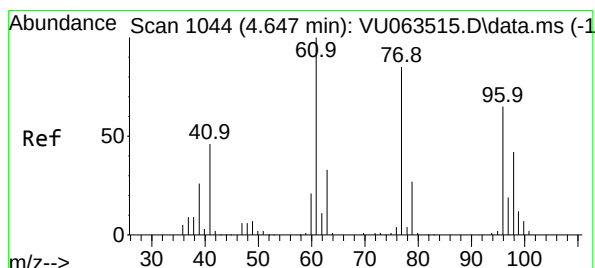
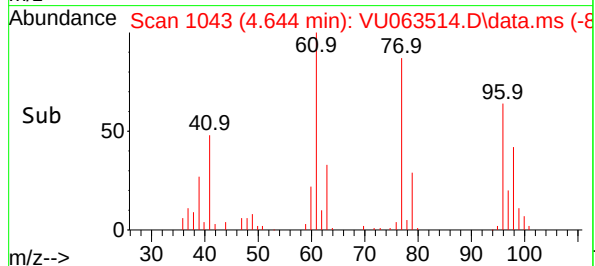
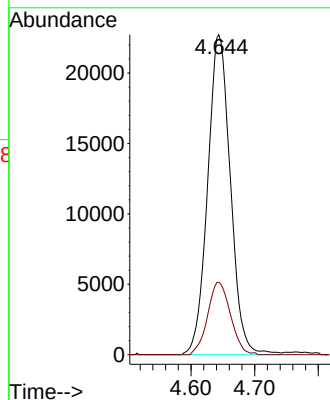
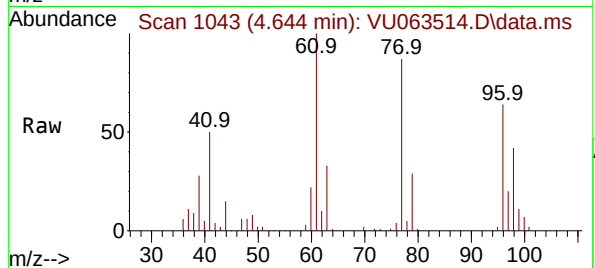
97 22.8 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 4.836 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

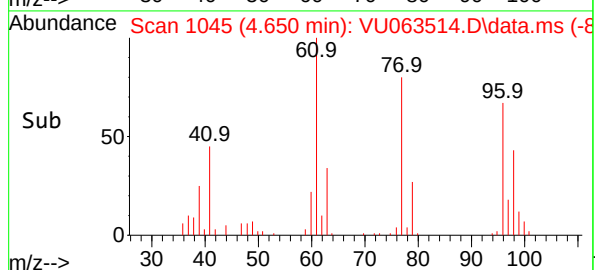
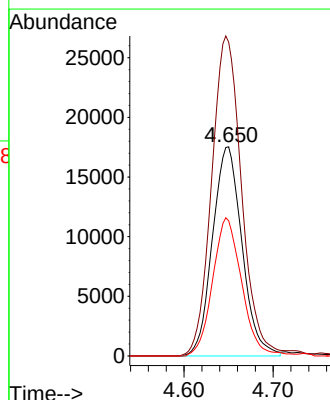
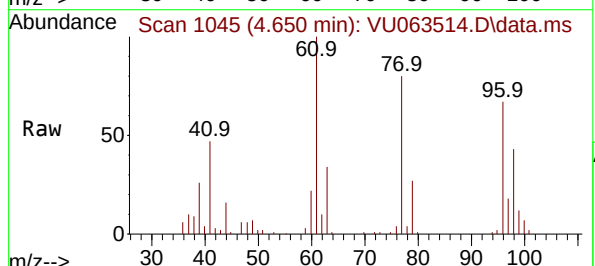
Tgt Ion: 96 Resp: 40321

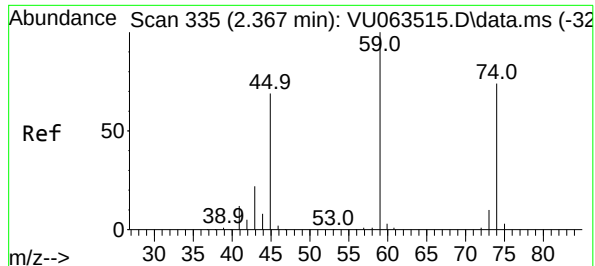
Ion Ratio Lower Upper

96 100

61 155.3 0.0 384.7

98 65.0 32.1 96.3





#23

Diethyl Ether

Concen: 5.030 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

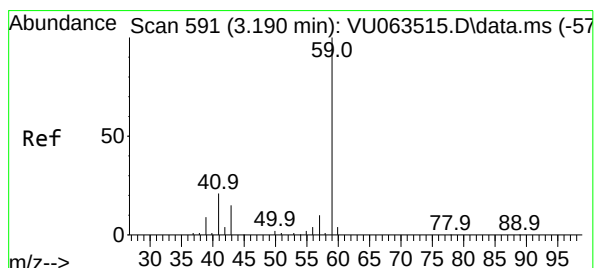
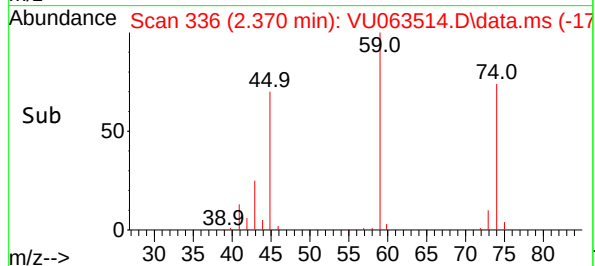
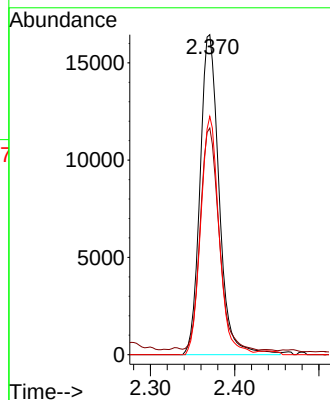
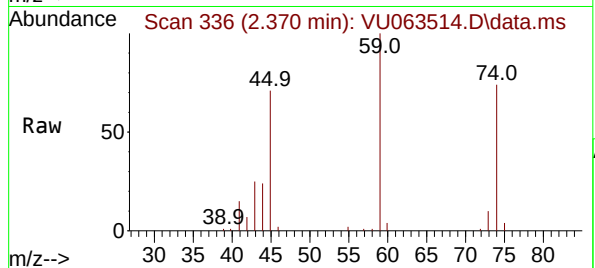
VSTDIC005

Tgt Ion:	59	Resp:	25929
Ion	Ratio	Lower	Upper
59	100		
45	68.2	55.1	82.7
74	71.8	58.2	87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 47.503 ug/l

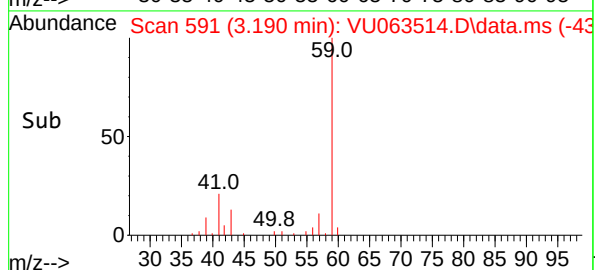
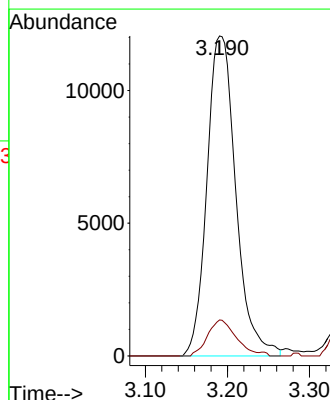
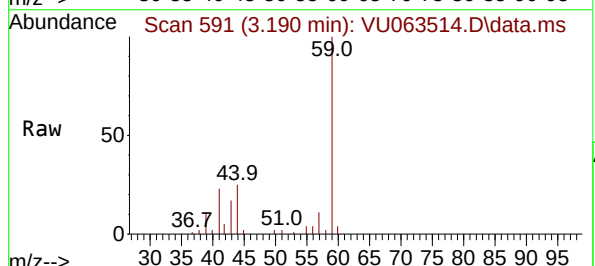
RT: 3.190 min Scan# 591

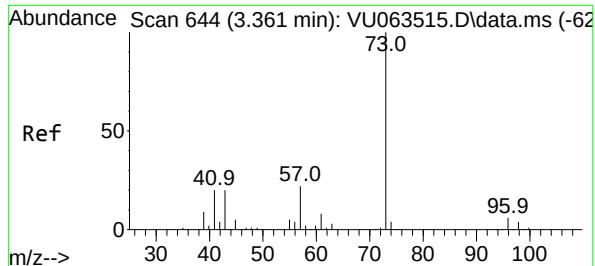
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	59	Resp:	29561
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8





#25

Methyl tert-Butyl Ether

Concen: 4.911 ug/l

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 8674

Ion Ratio Lower Upper

73 100

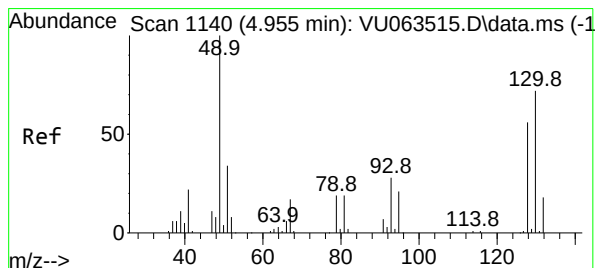
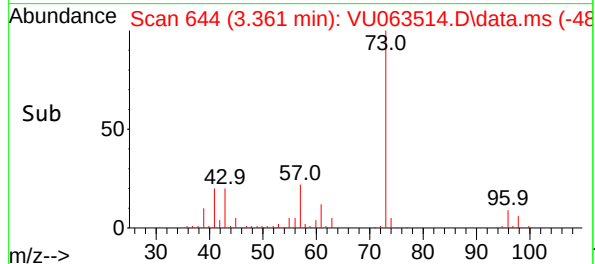
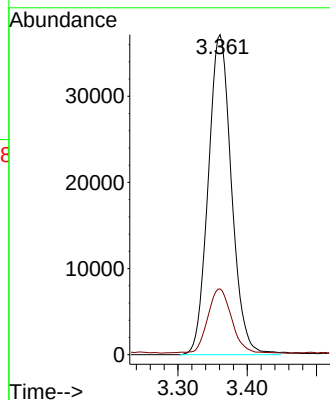
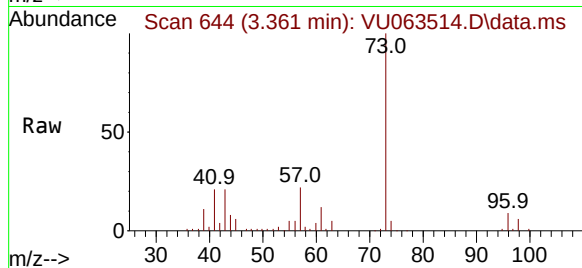
43 20.9 16.2 24.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 4.953 ug/l

RT: 4.955 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

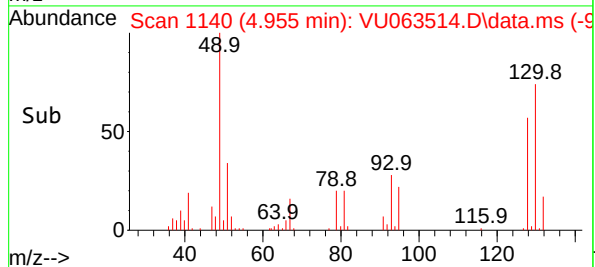
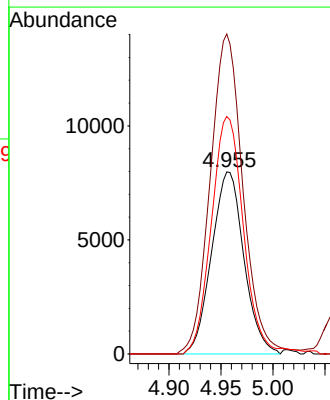
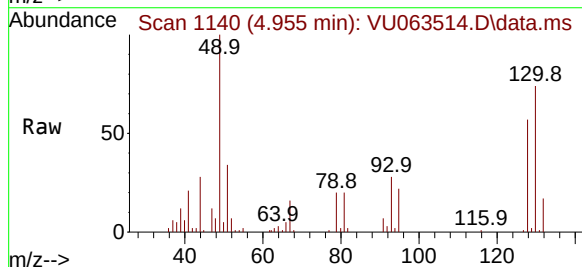
Tgt Ion:128 Resp: 17243

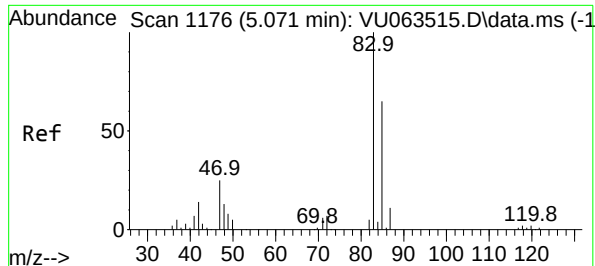
Ion Ratio Lower Upper

128 100

49 178.1 0.0 340.8

130 130.2 100.5 150.7





#27

Chloroform

Concen: 4.868 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 70739

Ion Ratio Lower Upper

83 100

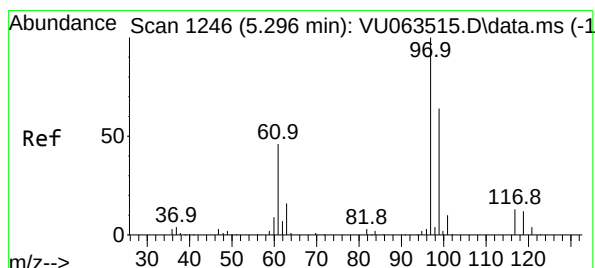
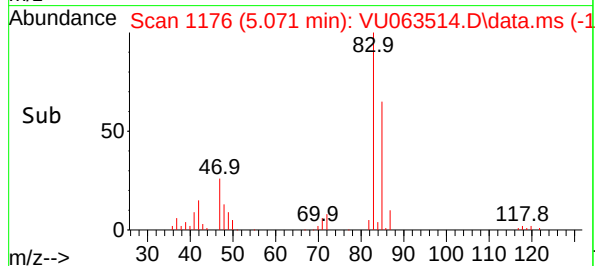
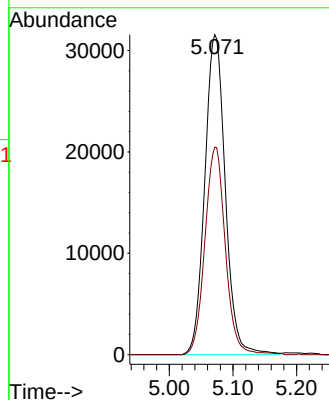
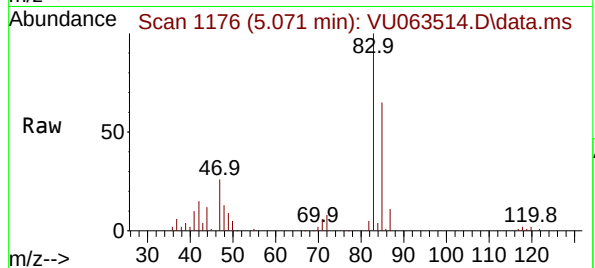
85 64.9 0.0 130.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 4.974 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

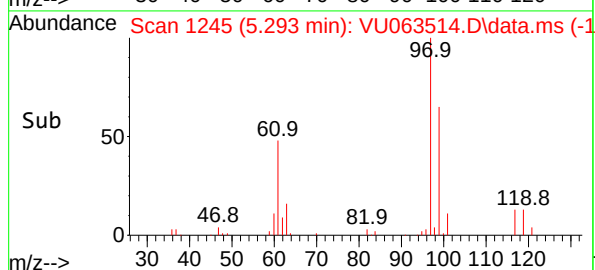
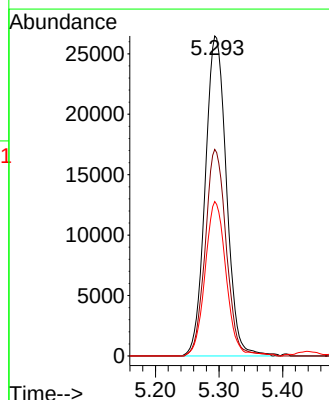
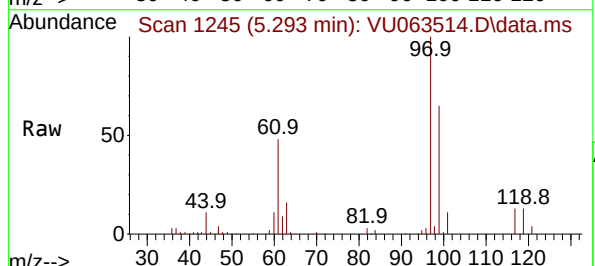
Tgt Ion: 97 Resp: 61347

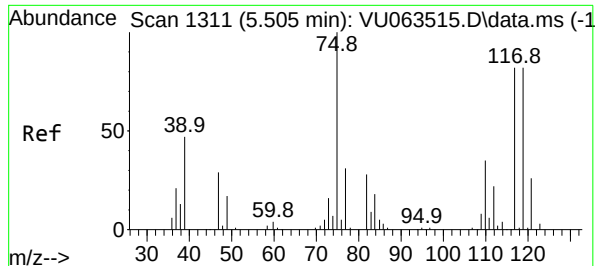
Ion Ratio Lower Upper

97 100

99 63.9 31.8 95.3

61 48.0 23.3 69.9





#29

1,1-Dichloropropene

Concen: 4.899 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

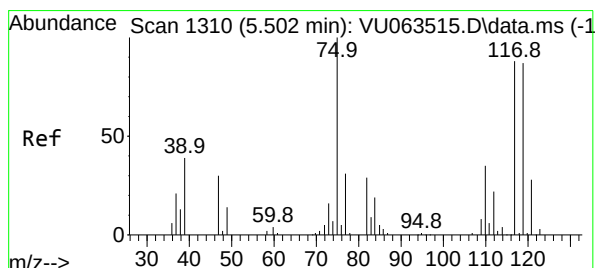
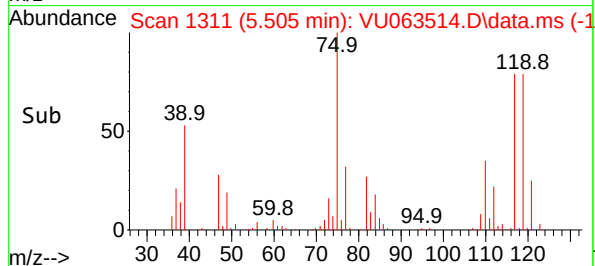
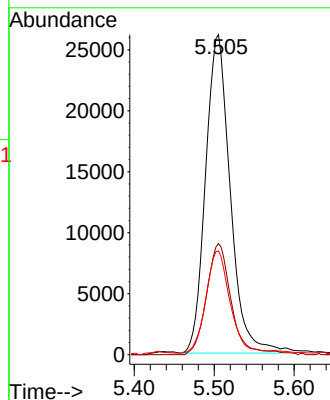
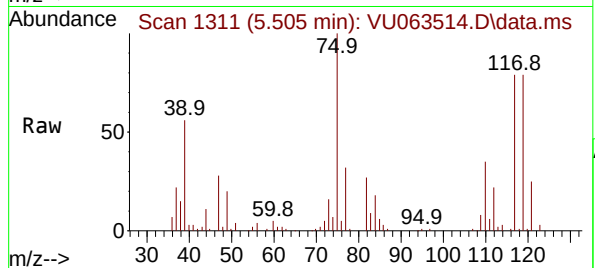
VSTDIC005

Tgt Ion:	75	Resp:	55970
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.8	53.4
77	31.0	24.6	37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 5.005 ug/l

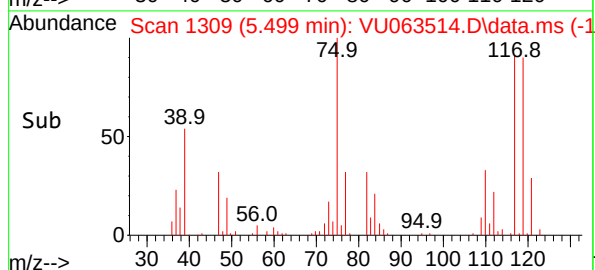
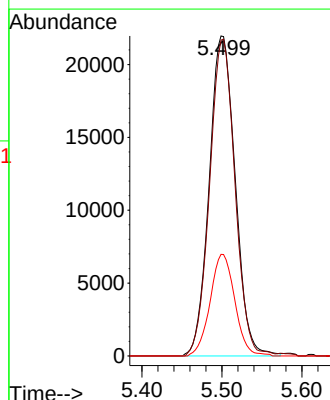
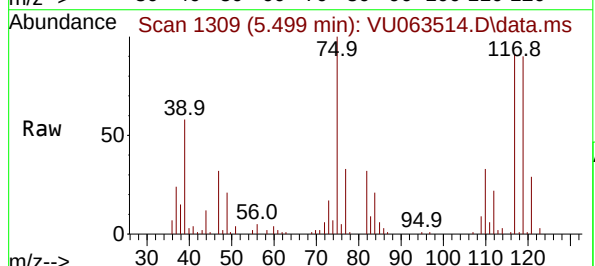
RT: 5.499 min Scan# 1309

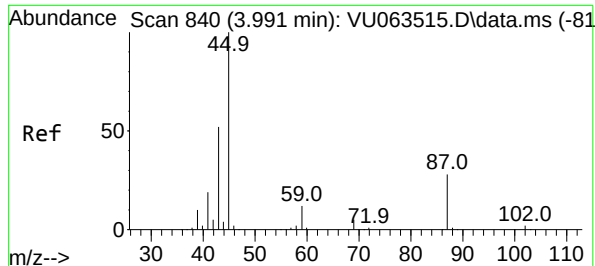
Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	117	Resp:	49682
Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.2	118.8
121	31.8	25.5	38.3





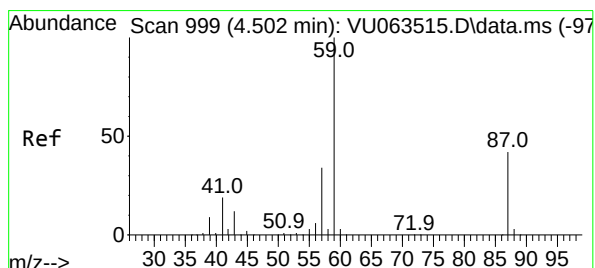
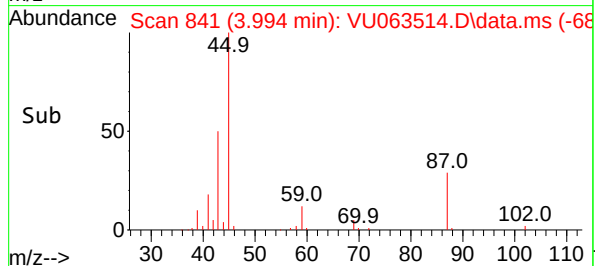
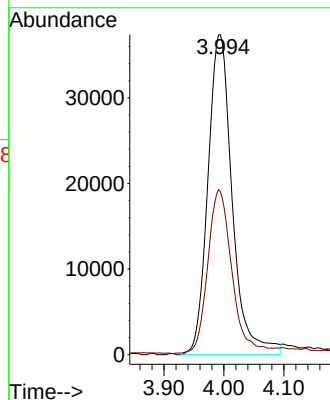
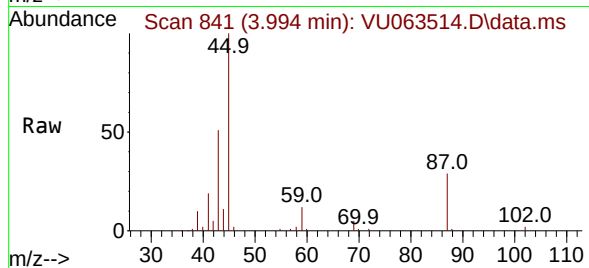
#31
Isopropyl Ether
Concen: 4.909 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 45 Resp: 105534
Ion Ratio Lower Upper
45 100
43 50.6 25.7 77.0

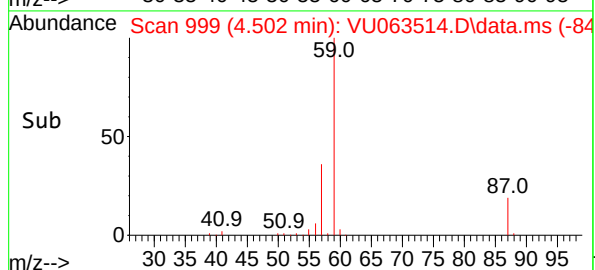
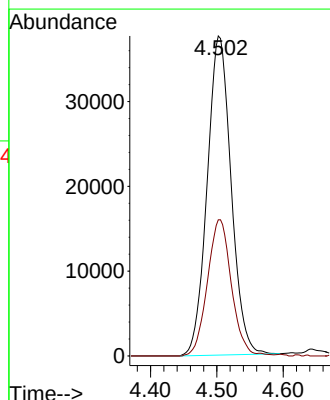
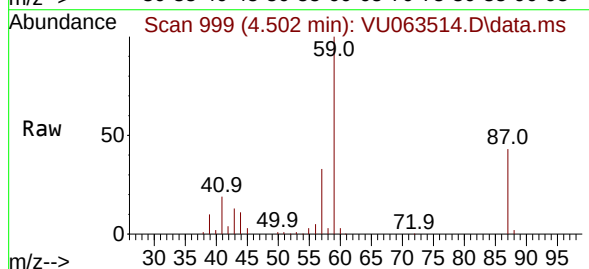
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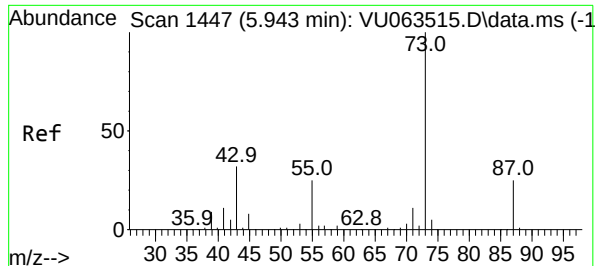
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 4.751 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 59 Resp: 94505
Ion Ratio Lower Upper
59 100
87 41.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 4.920 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

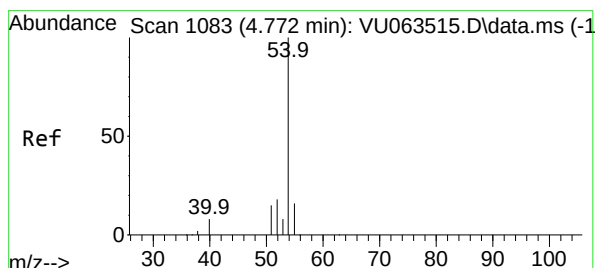
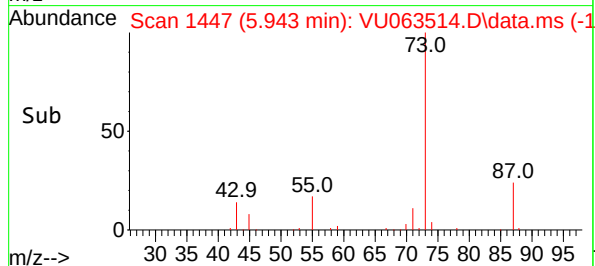
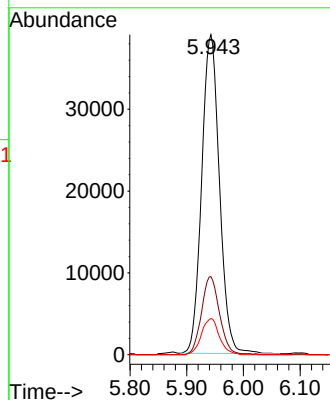
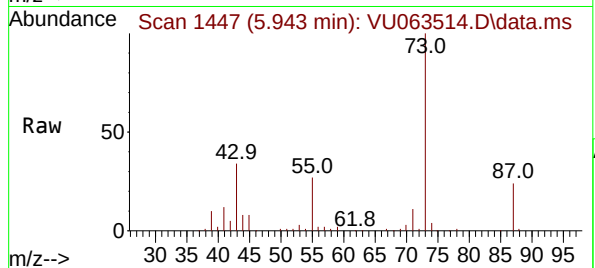
VSTDIC005

Tgt Ion: 73	Resp: 8493
Ion Ratio	Lower Upper
73	100
87	24.8 19.4 29.2
71	11.4 8.9 13.3

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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 25.489 ug/l

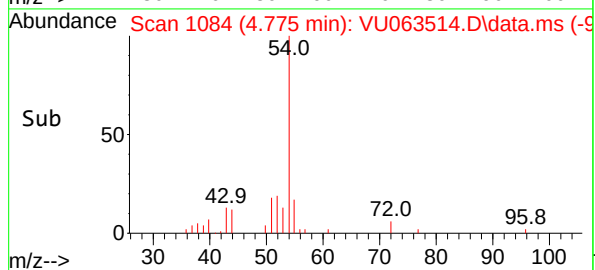
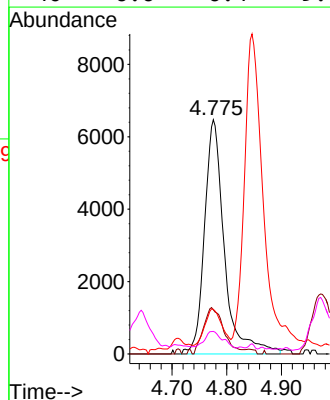
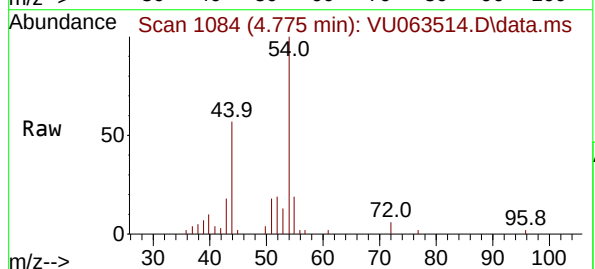
RT: 4.775 min Scan# 1084

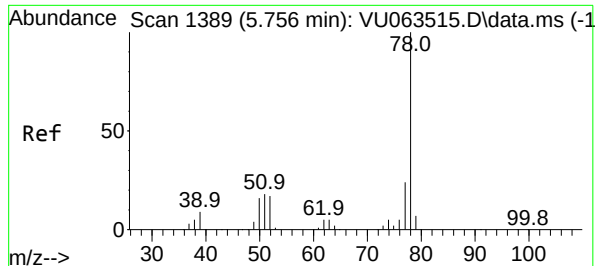
Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion: 54	Resp: 16304
Ion Ratio	Lower Upper
54	100
52	20.2 17.0 25.4
55	13.8 13.6 20.4
40	6.6 6.4 9.6





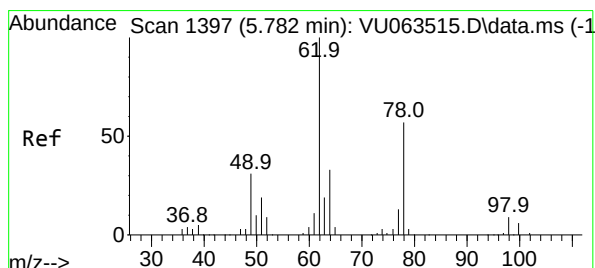
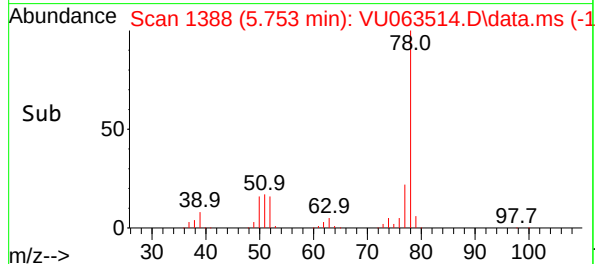
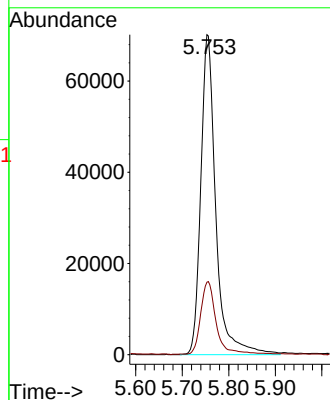
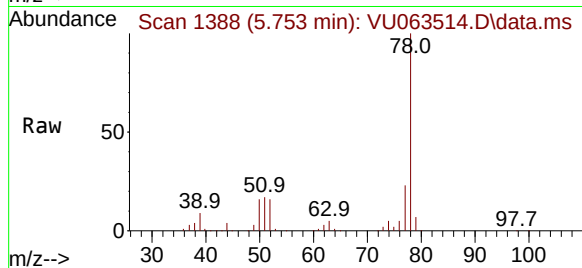
#35
Benzene
Concen: 5.113 ug/l
RT: 5.753 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 78 Resp: 156970
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.2

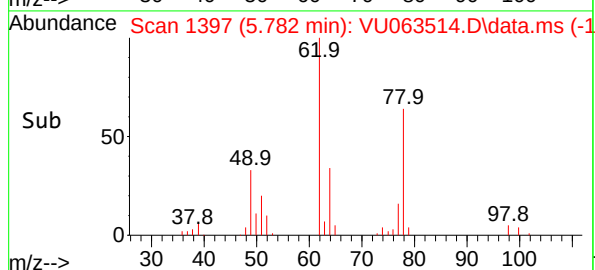
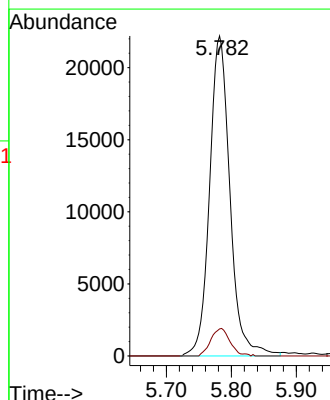
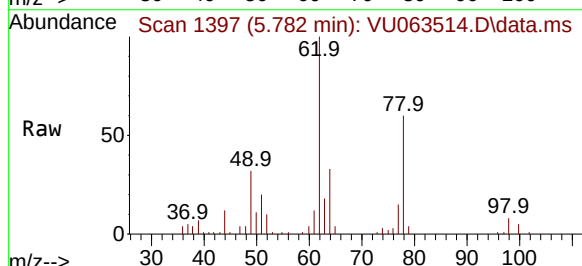
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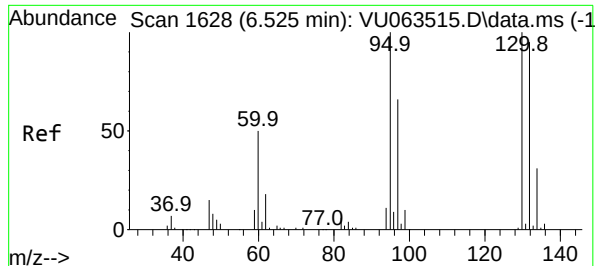
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 5.065 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

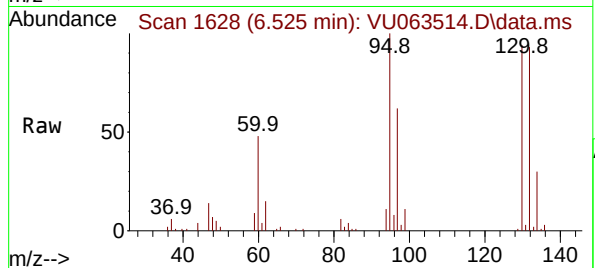
Tgt Ion: 62 Resp: 48312
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6





#37
Trichloroethene
Concen: 4.506 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

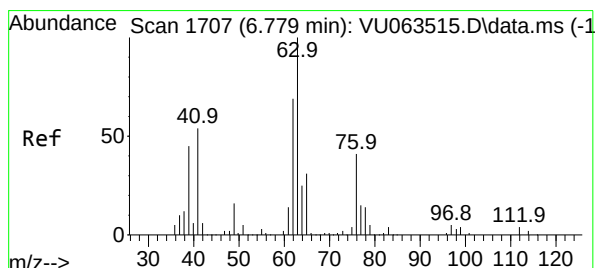
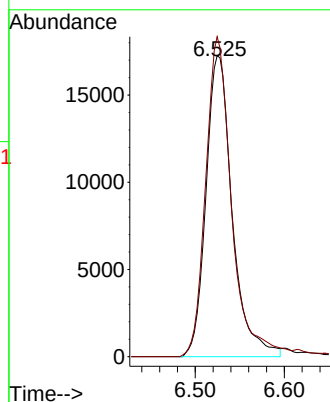
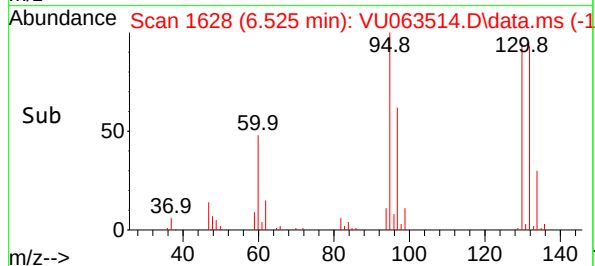
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



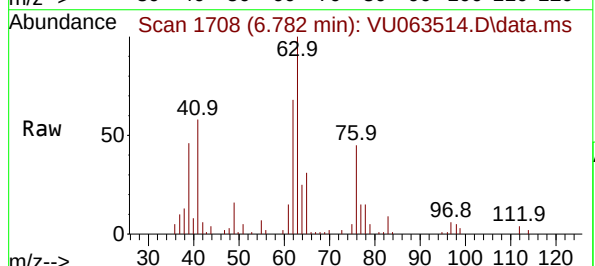
Tgt Ion:130 Resp: 3529
Ion Ratio Lower Upper
130 100
95 106.3 80.3 120.5

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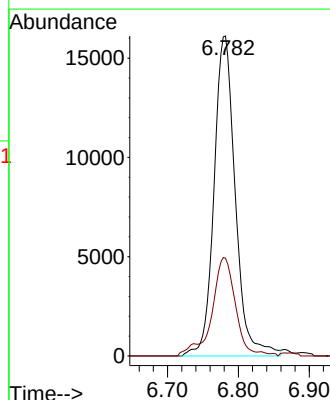
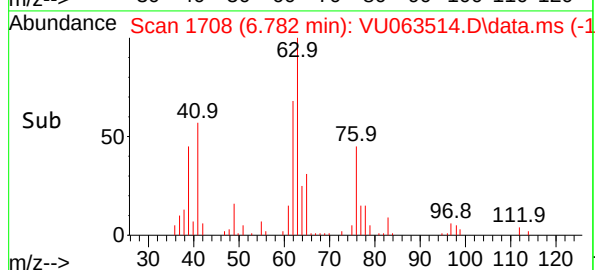
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

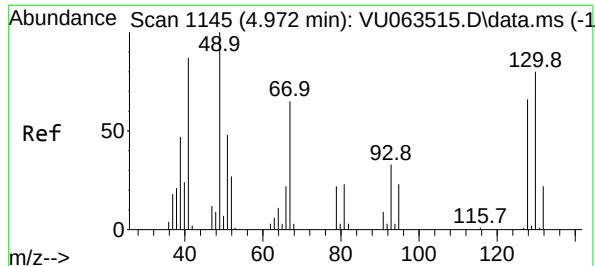


#38
1,2-Dichloropropane
Concen: 4.678 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00



Tgt Ion: 63 Resp: 33611
Ion Ratio Lower Upper
63 100
65 29.9 24.6 36.8





#39

Methacrylonitrile

Concen: 4.468 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 1254

Ion Ratio Lower Upper

41 100

67 82.1 62.7 94.1

39 57.1 43.1 64.7

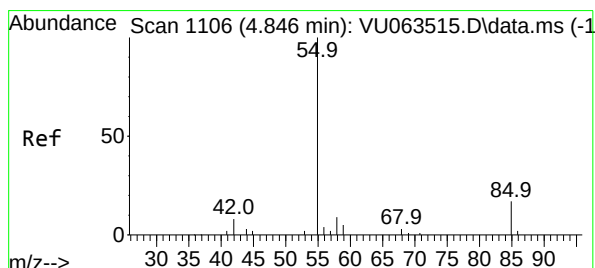
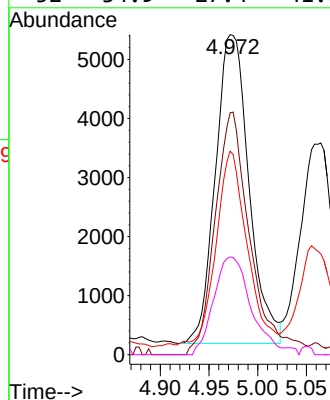
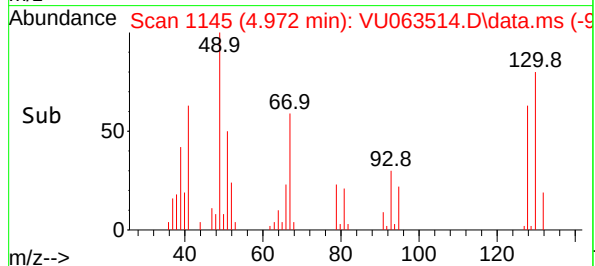
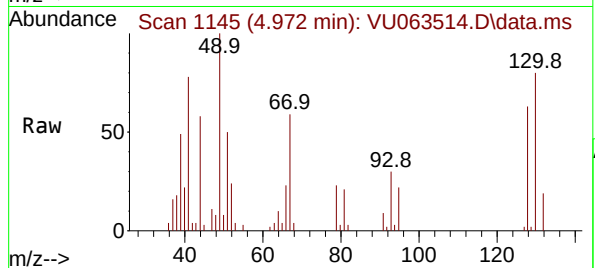
52 34.9 27.4 41.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 4.749 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion: 55 Resp: 19739

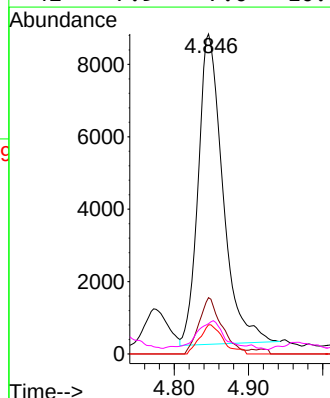
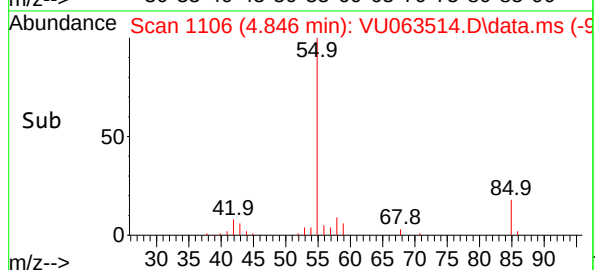
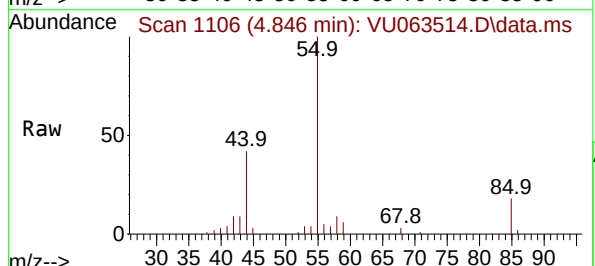
Ion Ratio Lower Upper

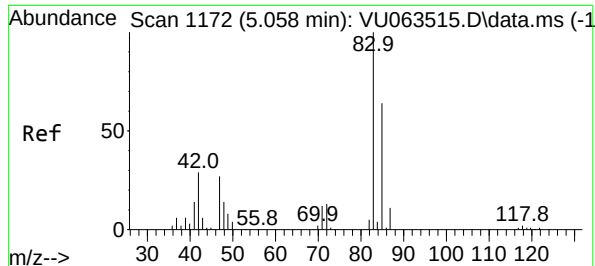
55 100

85 16.8 12.8 19.2

58 9.0 7.0 10.4

42 7.9 7.0 10.4





#41

Tetrahydrofuran

Concen: 8.771 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

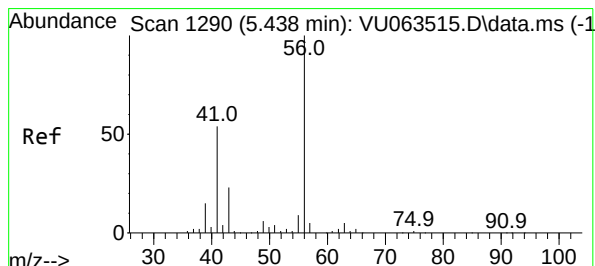
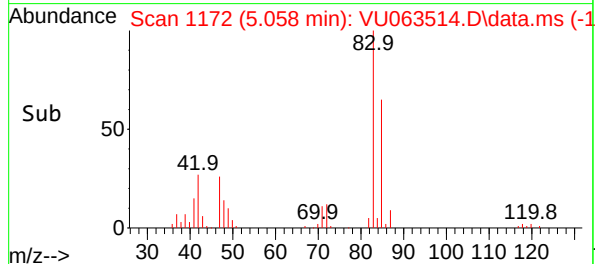
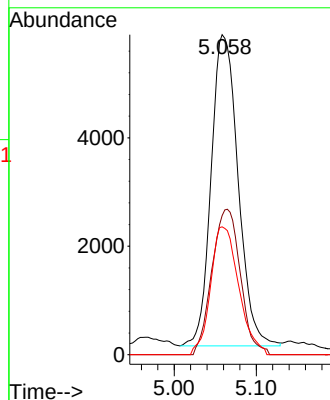
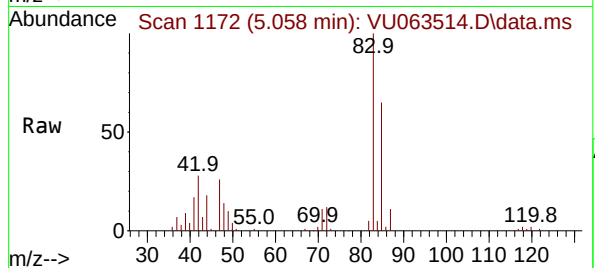
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	13119
Ion Ratio	Lower	Upper	
42	100		
72	49.2	39.2	58.8
71	42.8	34.8	52.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 4.999 ug/l

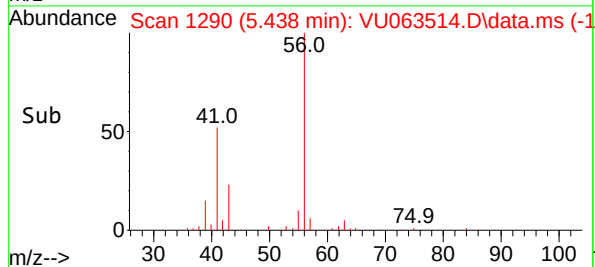
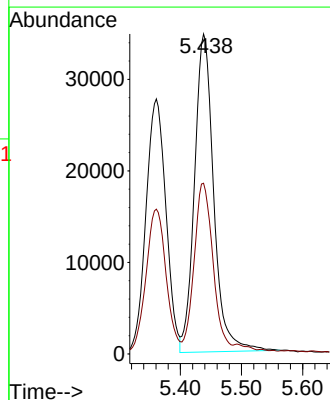
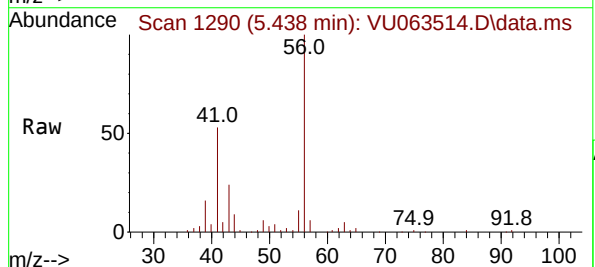
RT: 5.438 min Scan# 1290

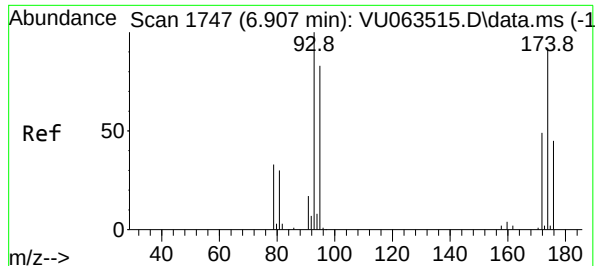
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

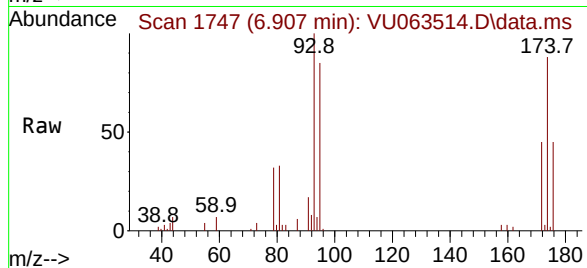
Tgt Ion:	56	Resp:	75929
Ion Ratio	Lower	Upper	
56	100		
41	48.2	26.7	80.0





#43
Dibromomethane
Concen: 4.821 ug/l
RT: 6.907 min Scan# 1747
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

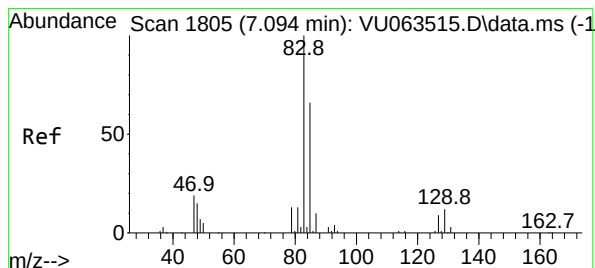
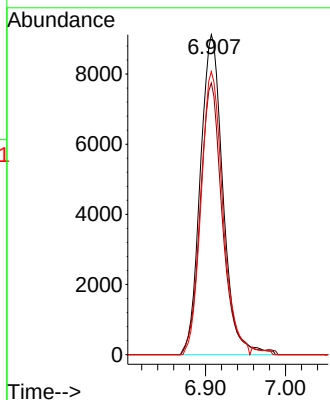
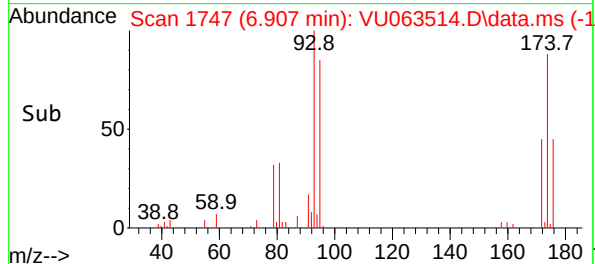
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



Tgt Ion: 93 Resp: 1794
Ion Ratio Lower Upper
93 100
95 83.0 67.9 101.9
174 85.0 74.6 111.8

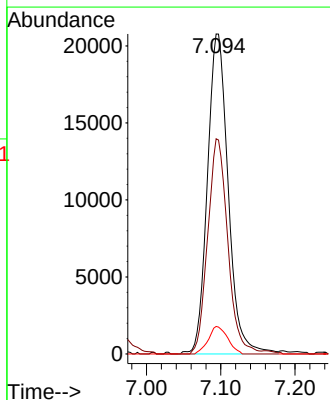
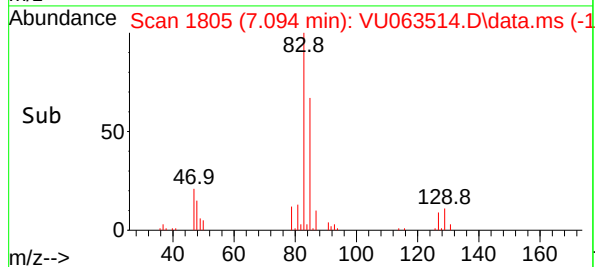
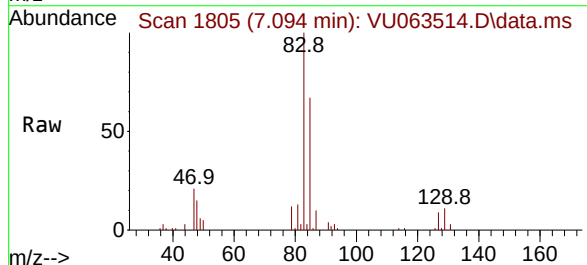
Manual Integrations
APPROVED

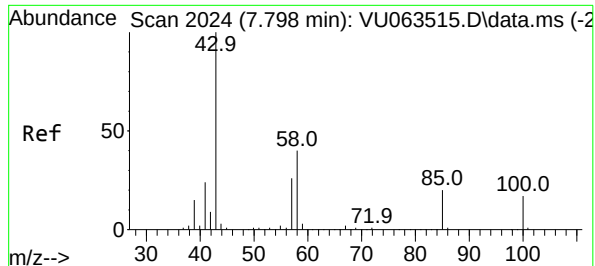
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#44
Bromodichloromethane
Concen: 4.807 ug/l
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 83 Resp: 40349
Ion Ratio Lower Upper
83 100
85 67.3 52.7 79.1
127 8.6 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 24.821 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

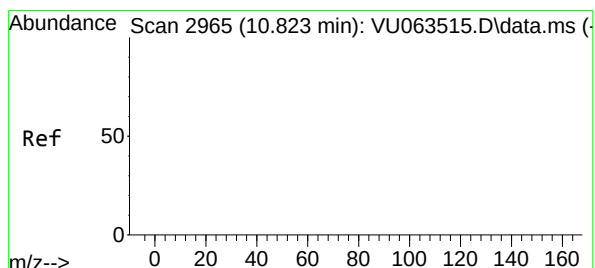
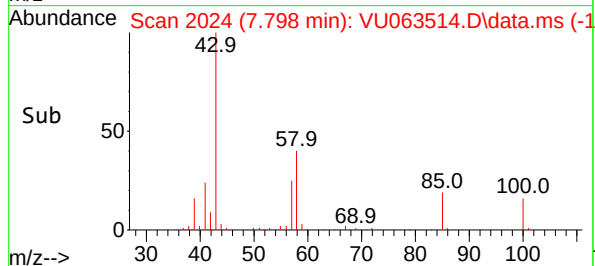
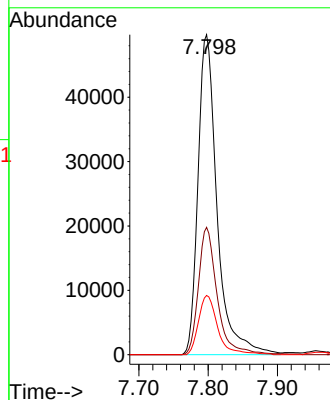
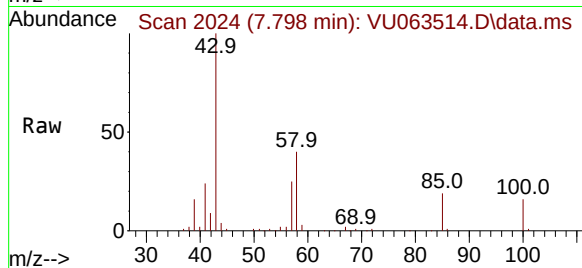
VSTDIC005

Tgt Ion:	43	Resp:	9521
Ion Ratio	Lower	Upper	
43	100		
58	39.3	20.0	60.0
85	18.7	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 9.823 ug/l m

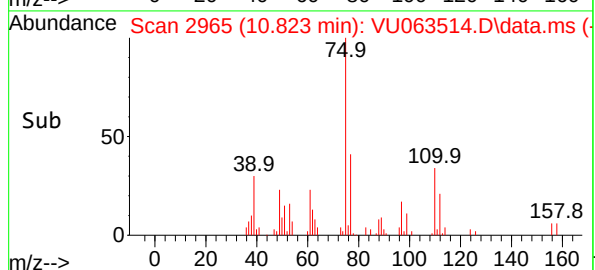
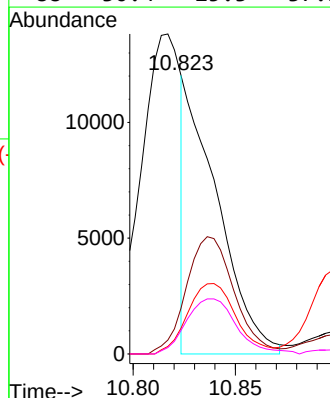
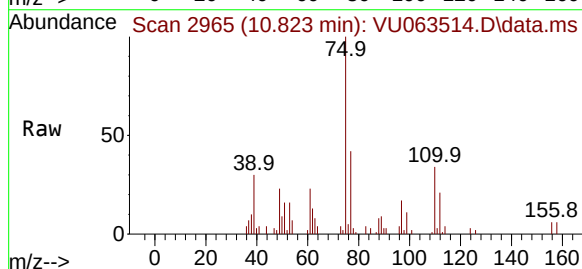
RT: 10.823 min Scan# 2965

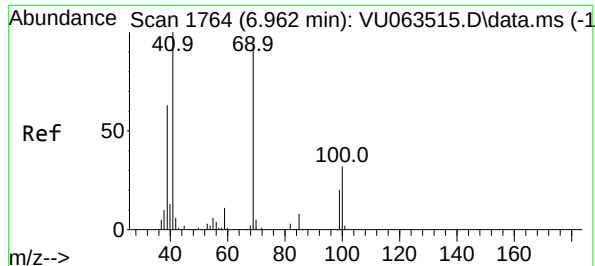
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	75	Resp:	13369
Ion Ratio	Lower	Upper	
75	100		
53	61.7	48.4	72.6
89	37.5	30.6	45.8
88	30.4	25.3	37.9





#47

Methyl methacrylate

Concen: 9.775 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063514.D

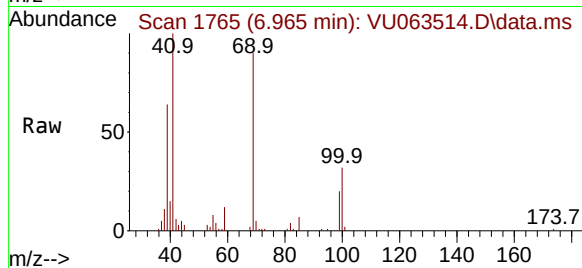
Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005



Tgt Ion: 69 Resp: 30554

Ion Ratio Lower Upper

69 100

41 108.9 0.0 224.0

39 66.7 55.3 82.9

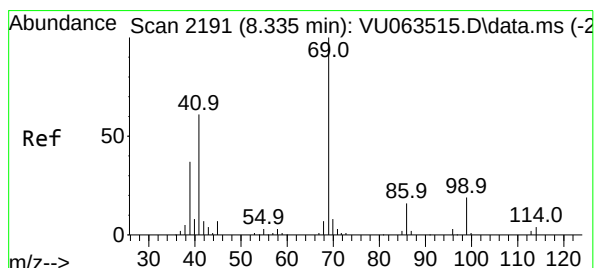
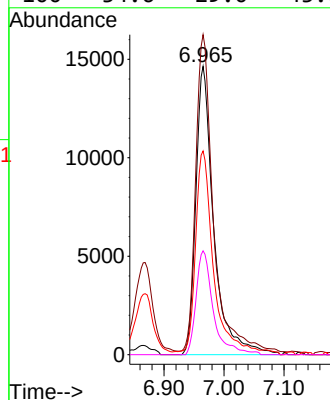
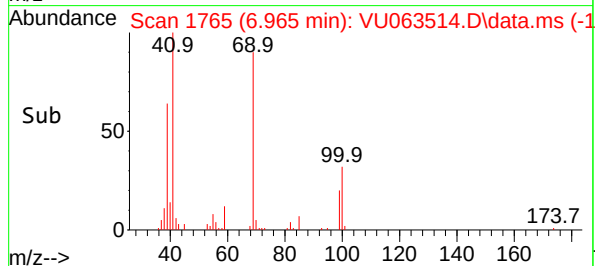
100 34.6 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 4.943 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063514.D

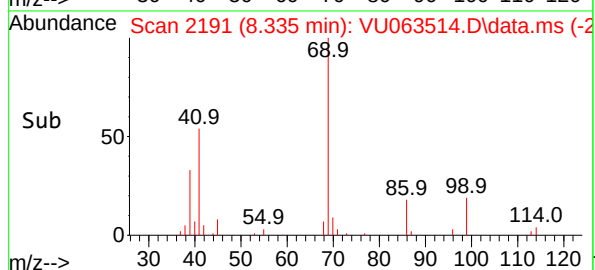
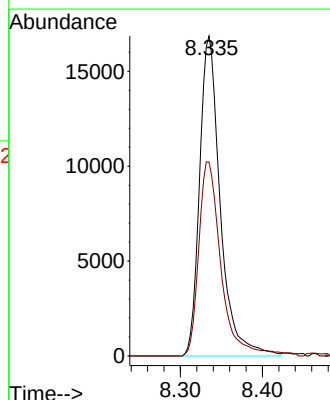
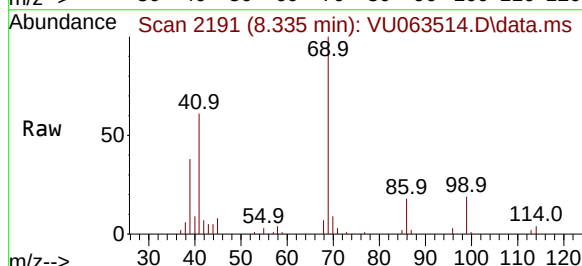
Acq: 16 Jul 2025 11:00

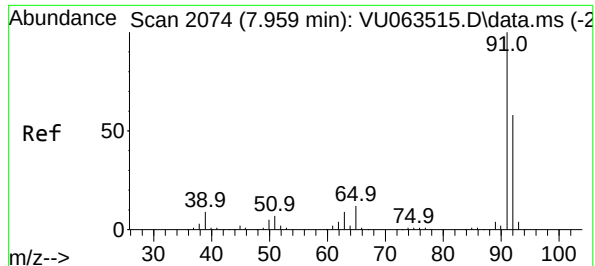
Tgt Ion: 69 Resp: 29487

Ion Ratio Lower Upper

69 100

41 65.3 30.8 92.4





#49

Toluene

Concen: 4.993 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 92 Resp: 8368

Ion Ratio Lower Upper

92 100

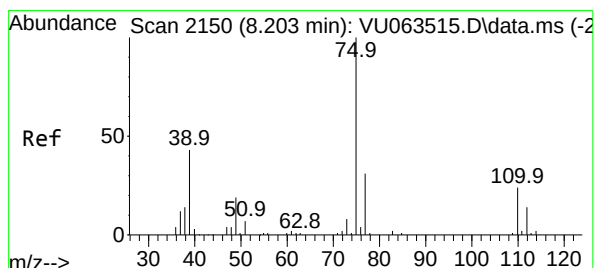
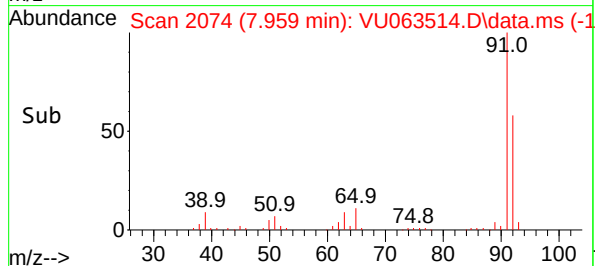
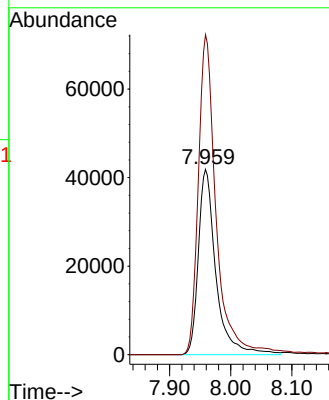
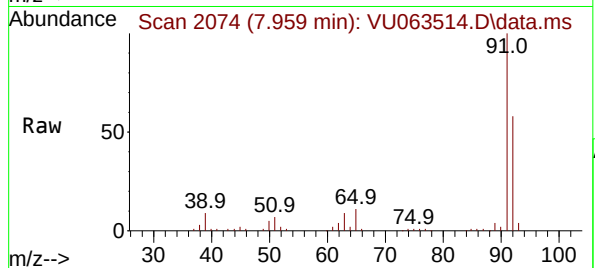
91 175.3 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 4.946 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063514.D

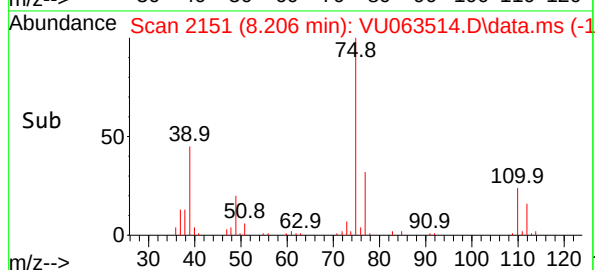
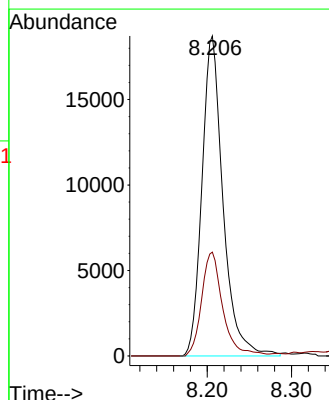
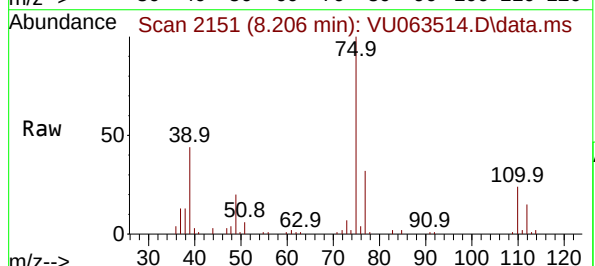
Acq: 16 Jul 2025 11:00

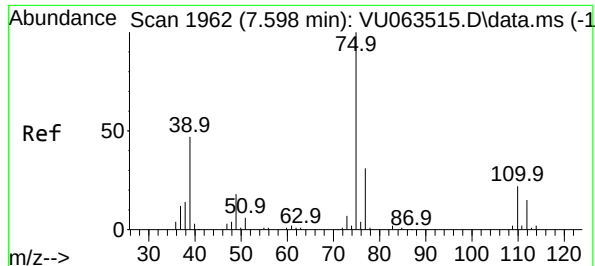
Tgt Ion: 75 Resp: 32573

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 4.923 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

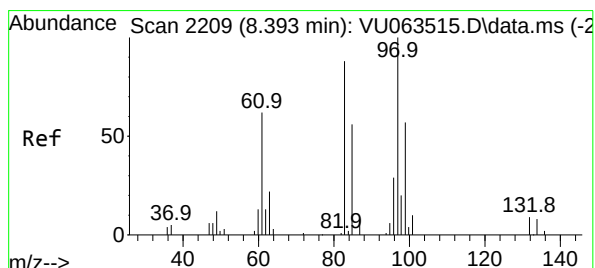
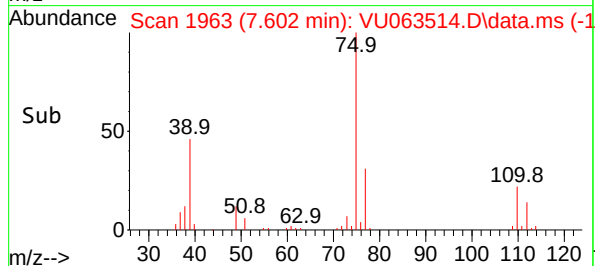
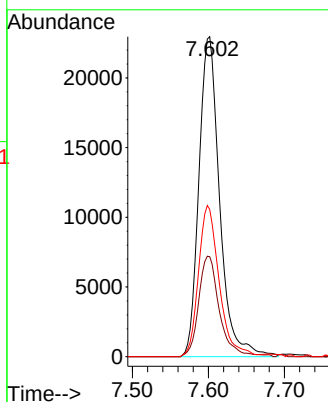
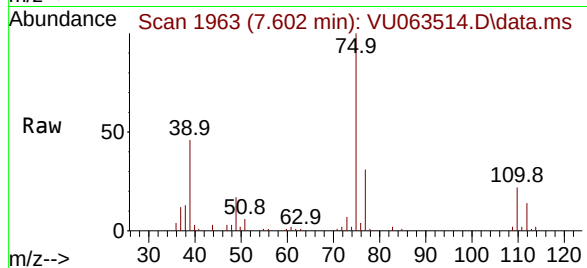
VSTDIC005

Tgt Ion:	75	Resp:	4351
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	46.0	37.8	56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 4.976 ug/l

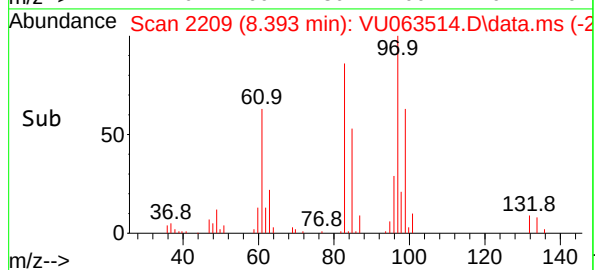
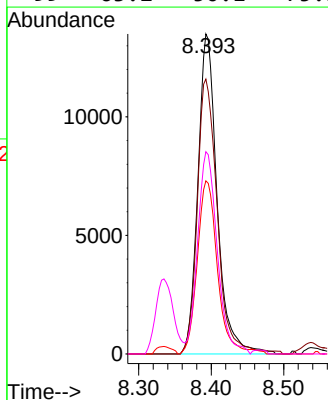
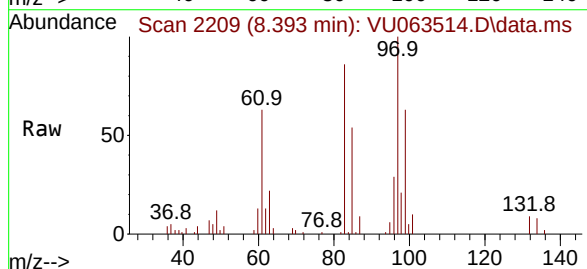
RT: 8.393 min Scan# 2209

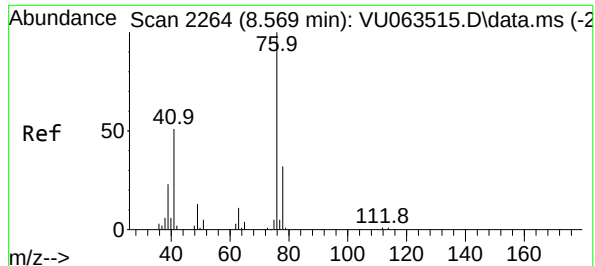
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	97	Resp:	24935
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	54.1	45.2	67.8
99	63.2	50.1	75.1





#53

1,3-Dichloropropane

Concen: 4.964 ug/l

RT: 8.569 min Scan# 2264

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 42938

Ion Ratio Lower Upper

76 100

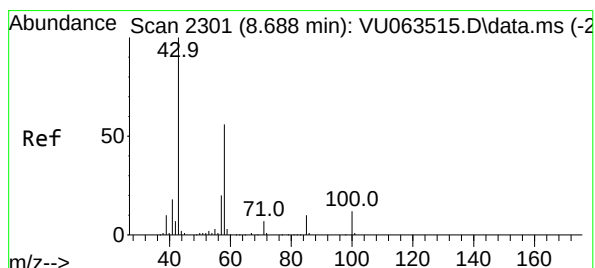
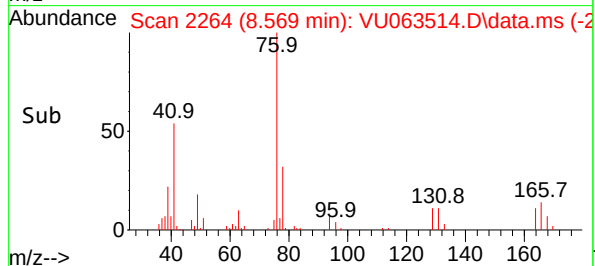
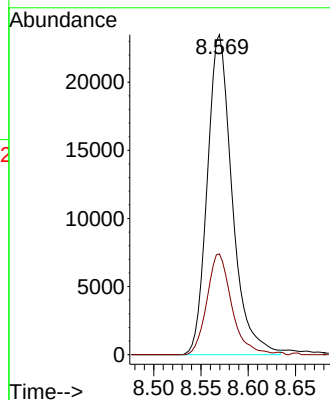
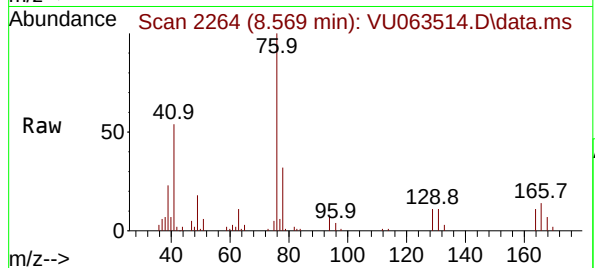
78 31.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 24.583 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

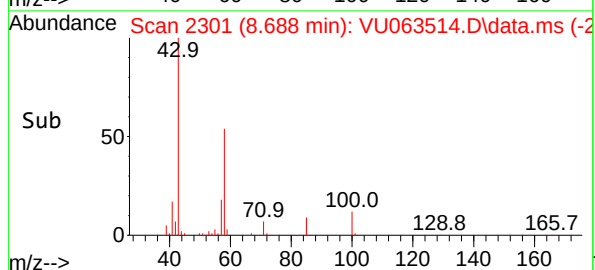
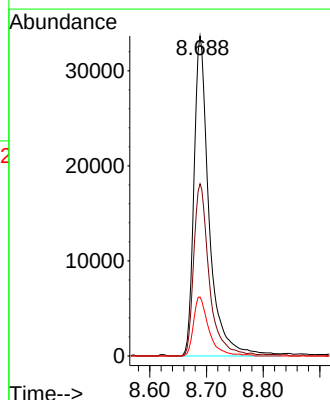
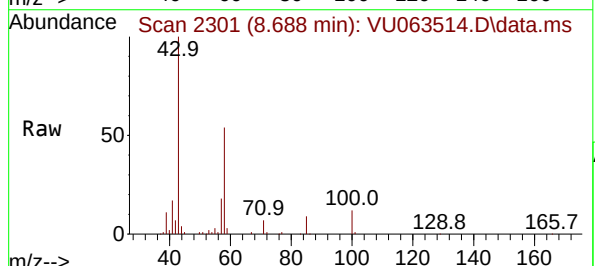
Tgt Ion: 43 Resp: 62636

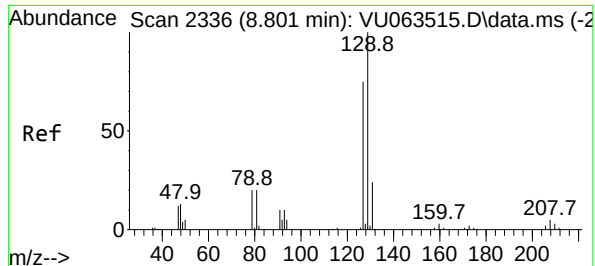
Ion Ratio Lower Upper

43 100

58 54.7 34.8 74.8

57 18.2 0.0 39.5





#55

Dibromochloromethane

Concen: 5.067 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:129 Resp: 26834

Ion Ratio Lower Upper

129 100

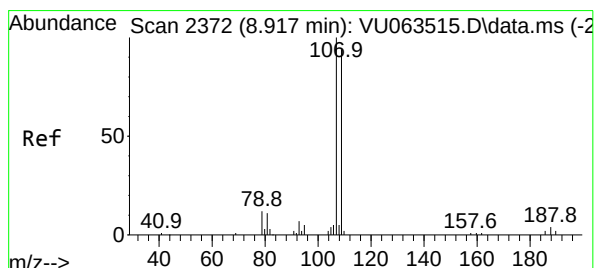
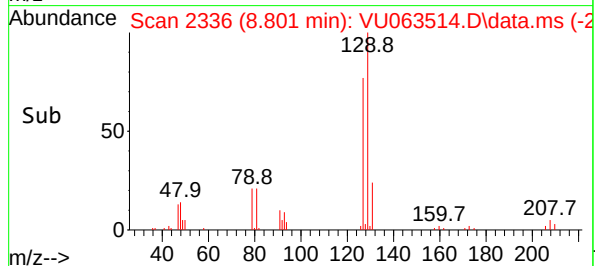
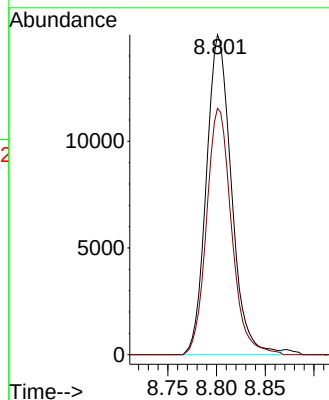
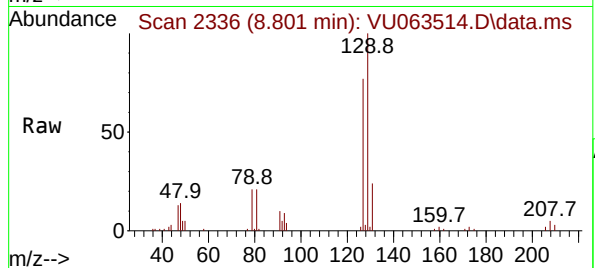
127 76.8 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#56

1,2-Dibromoethane

Concen: 4.971 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063514.D

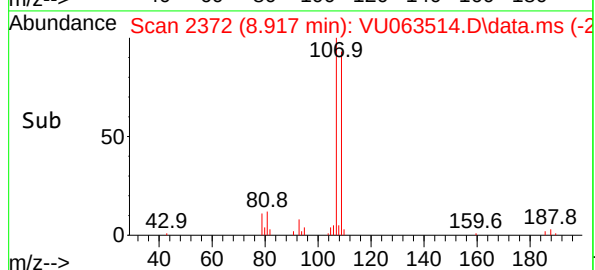
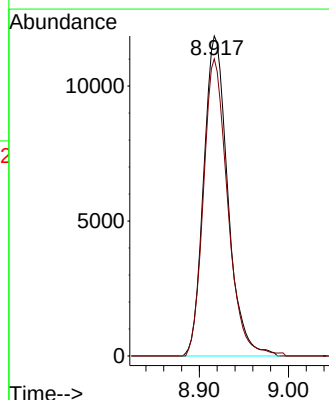
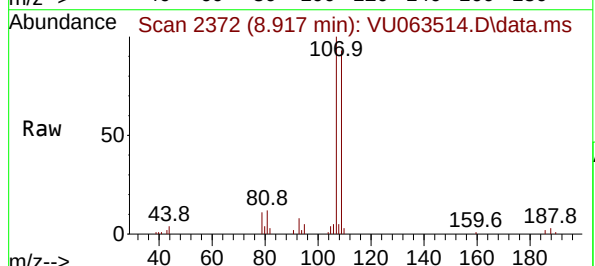
Acq: 16 Jul 2025 11:00

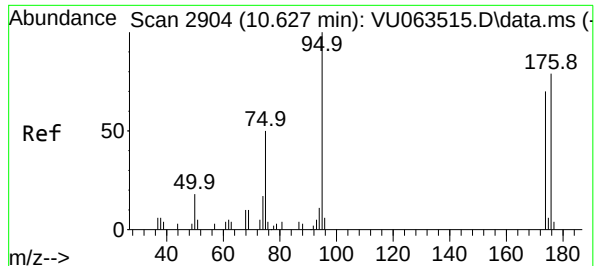
Tgt Ion:107 Resp: 22293

Ion Ratio Lower Upper

107 100

109 93.3 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.953 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 95 Resp: 940

Ion Ratio Lower Upper

95 100

174 74.4 59.8 89.8

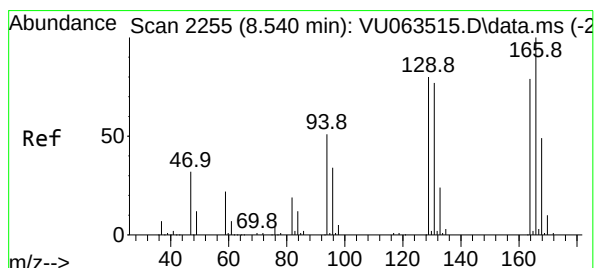
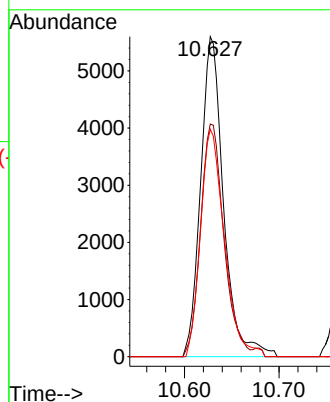
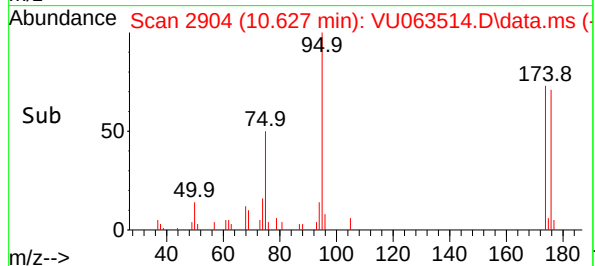
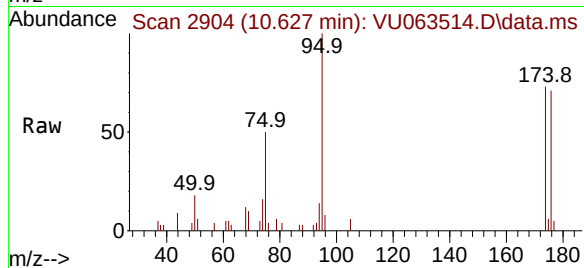
176 74.1 61.8 92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

Concen: 4.909 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:164 Resp: 35190

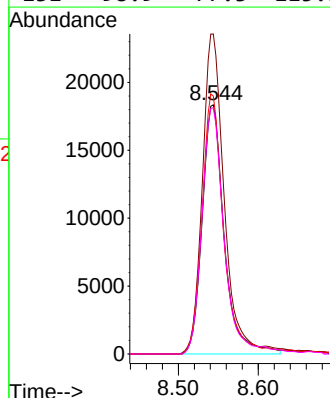
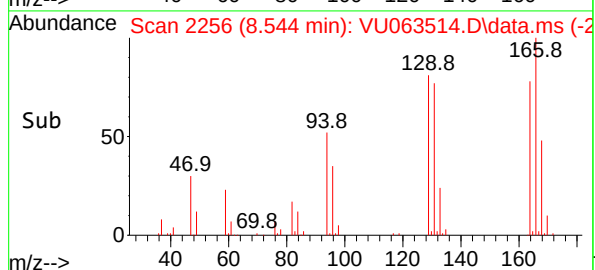
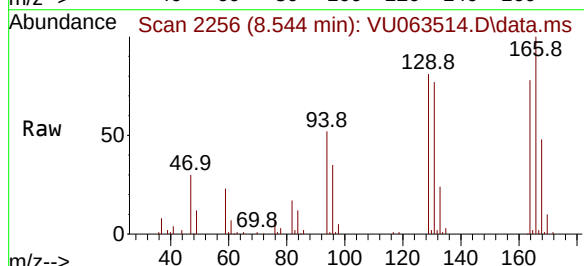
Ion Ratio Lower Upper

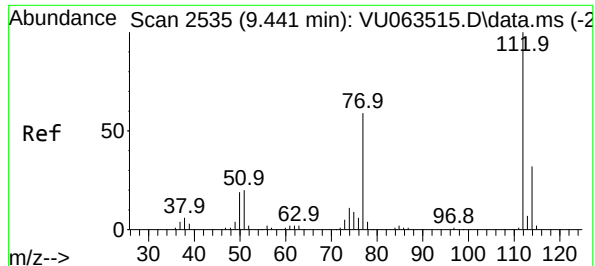
164 100

166 128.5 100.7 151.1

129 103.5 80.6 120.8

131 98.9 77.3 115.9





#59

Chlorobenzene

Concen: 4.955 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 9538

Ion Ratio Lower Upper

112 100

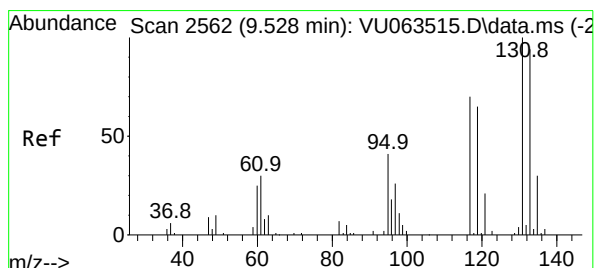
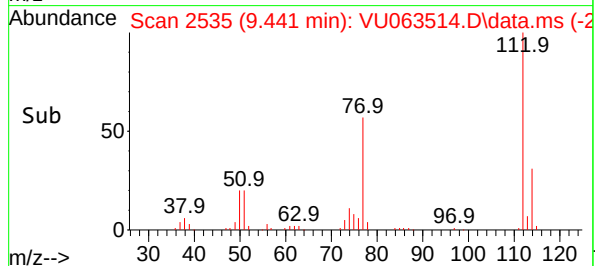
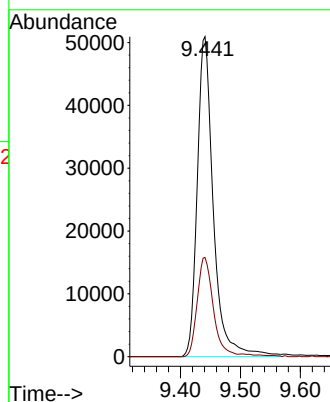
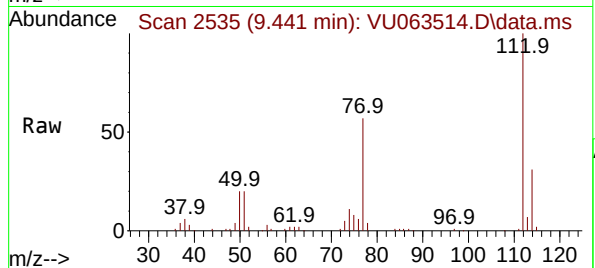
114 31.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 4.901 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

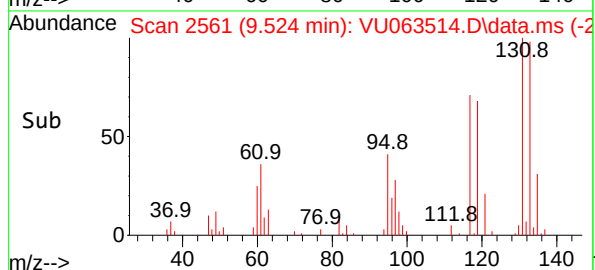
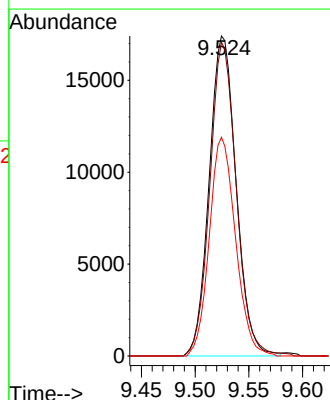
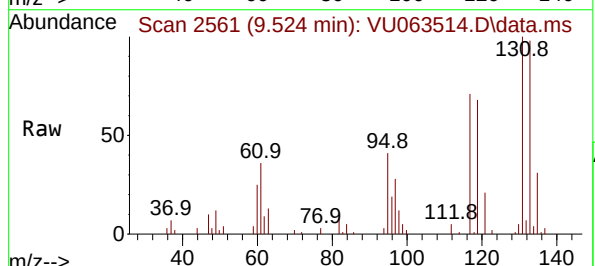
Tgt Ion:131 Resp: 30337

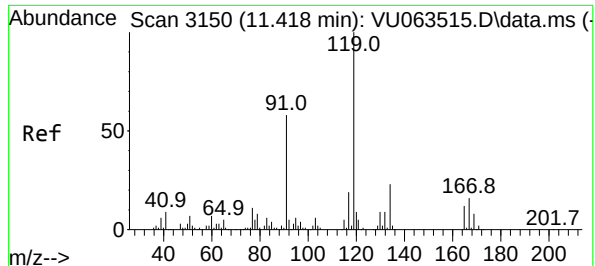
Ion Ratio Lower Upper

131 100

133 96.2 74.7 112.1

119 66.6 53.0 79.4





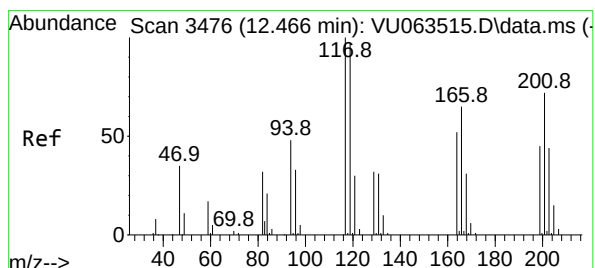
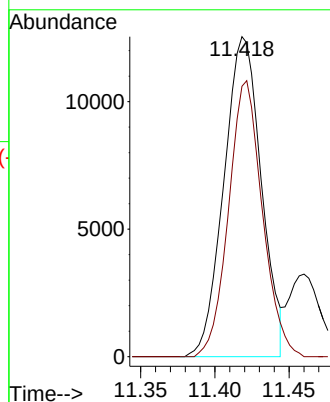
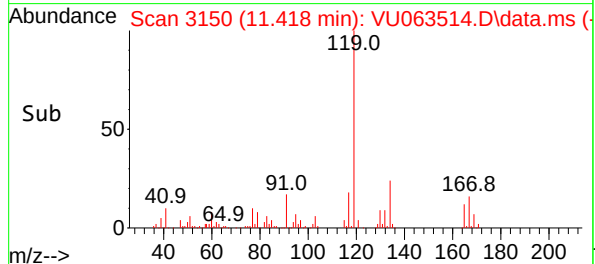
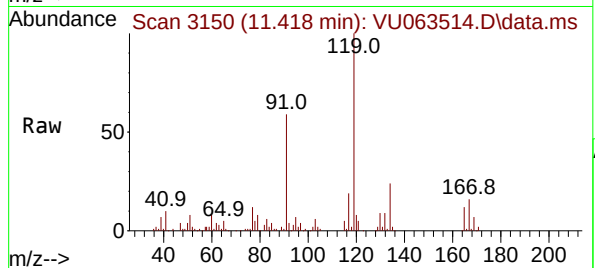
#61
Pentachloroethane
Concen: 5.020 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 2195
Ion Ratio Lower Upper
117 100
167 77.9 65.0 97.6

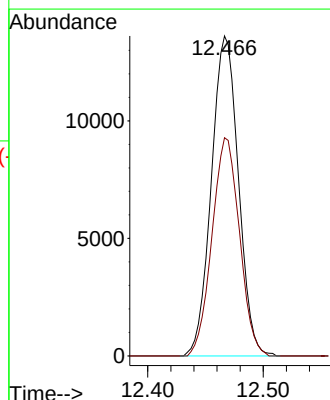
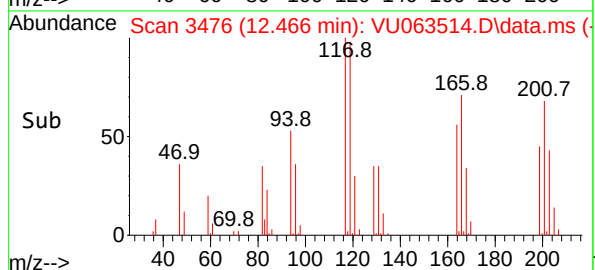
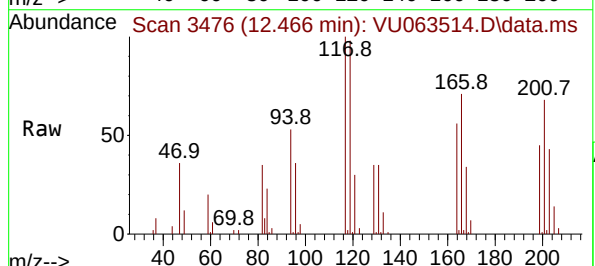
Manual Integrations
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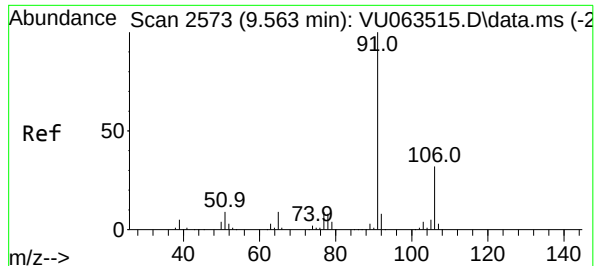
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 5.110 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:117 Resp: 22137
Ion Ratio Lower Upper
117 100
201 69.3 57.4 86.0





#63

Ethyl Benzene

Concen: 4.951 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 163990

Ion Ratio Lower Upper

91 100

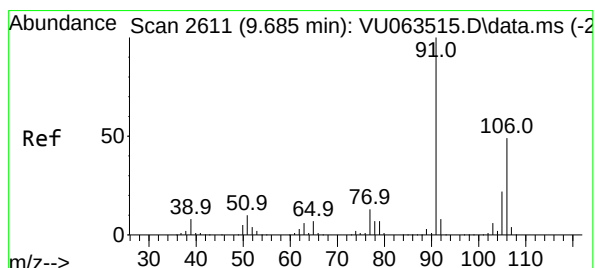
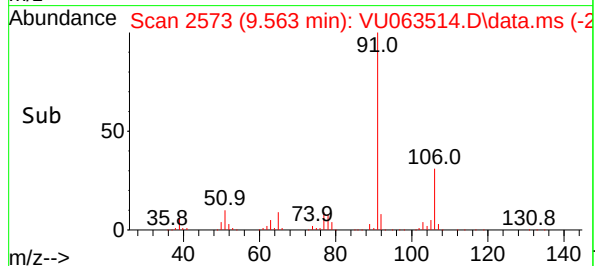
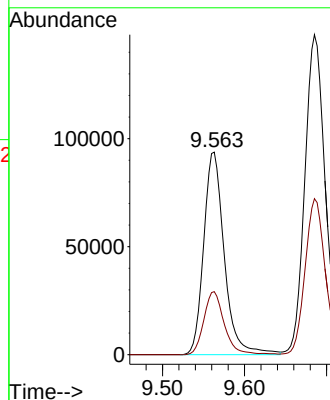
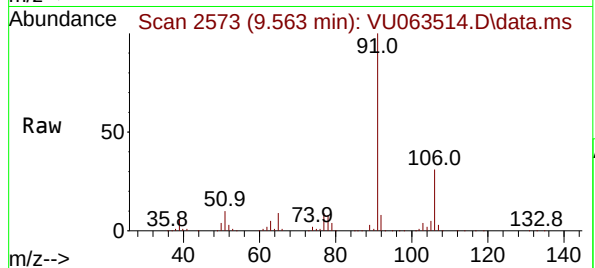
106 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 9.878 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063514.D

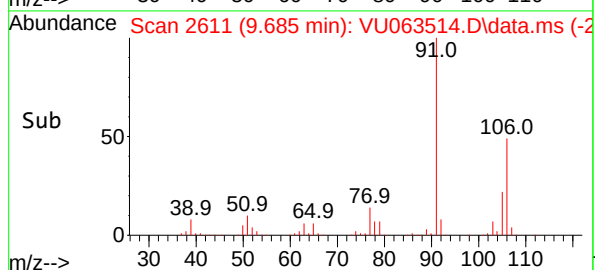
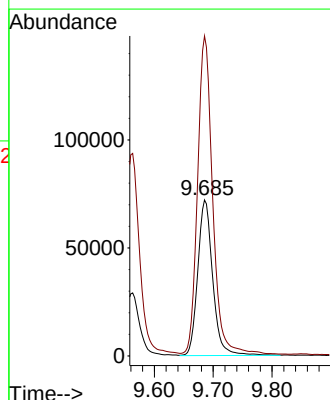
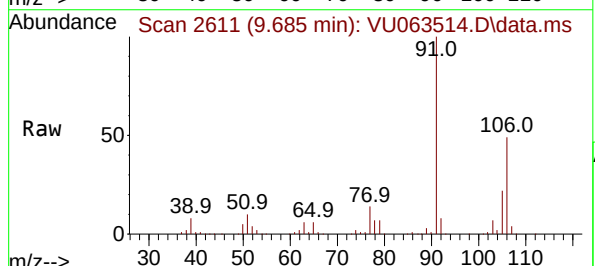
Acq: 16 Jul 2025 11:00

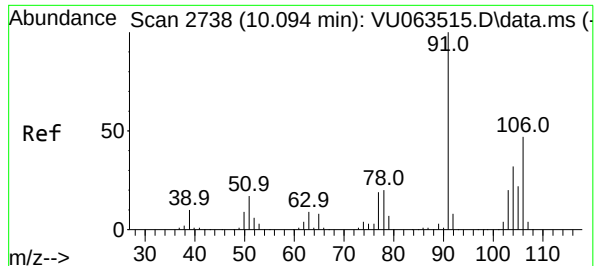
Tgt Ion:106 Resp: 127196

Ion Ratio Lower Upper

106 100

91 207.3 163.6 245.4





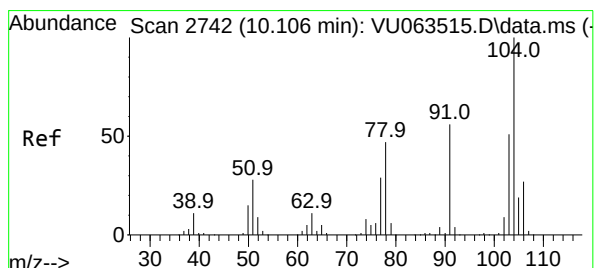
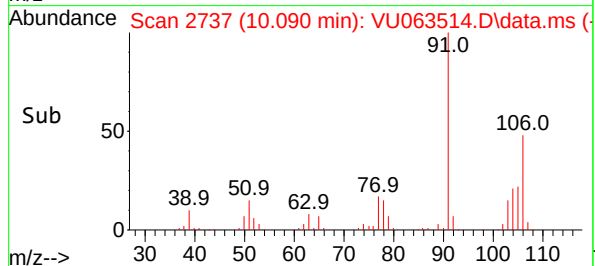
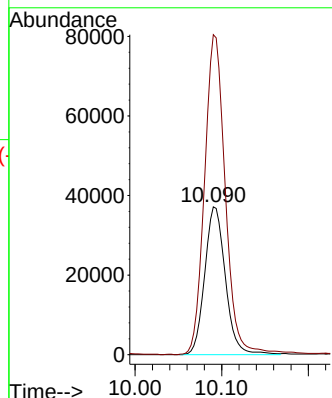
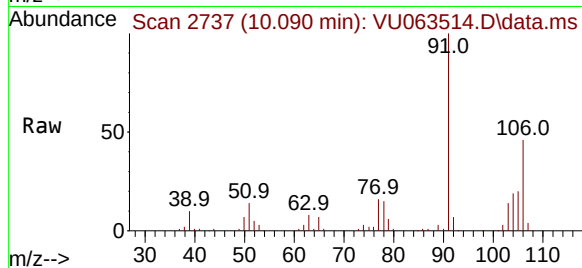
#65
o-Xylene
Concen: 4.982 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. -0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 6164
Ion Ratio Lower Upper
106 100
91 219.1 108.1 324.4

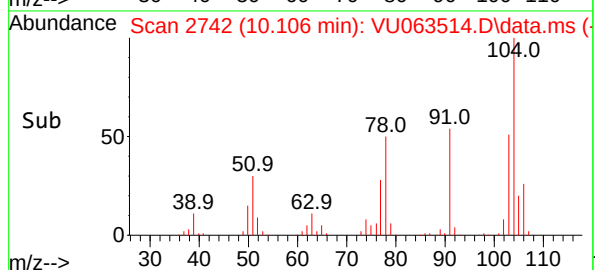
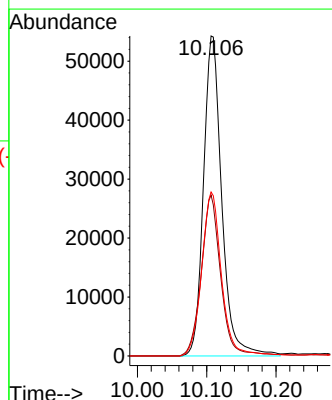
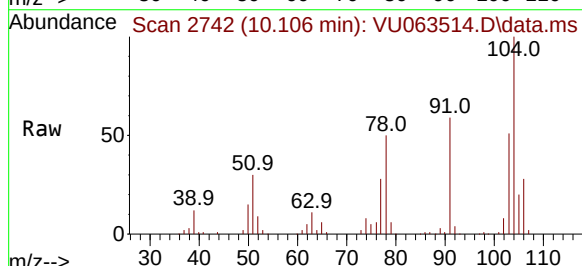
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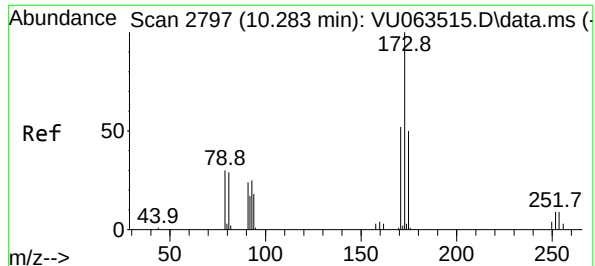
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 5.046 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:104 Resp: 99507
Ion Ratio Lower Upper
104 100
78 53.2 41.3 61.9
103 55.4 43.6 65.4





#67

Bromoform

Concen: 5.030 ug/l

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 13680

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

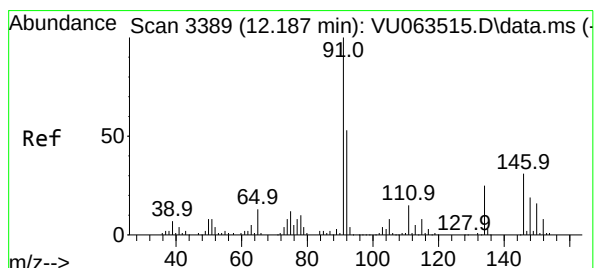
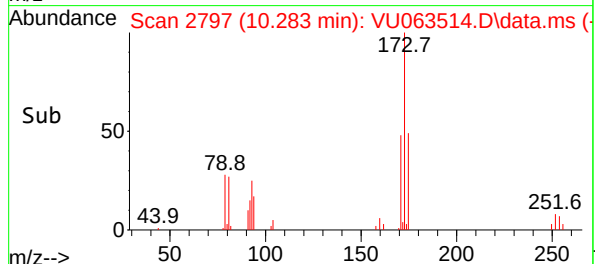
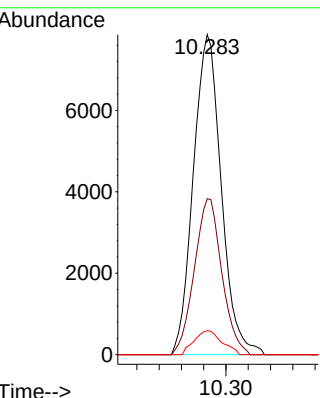
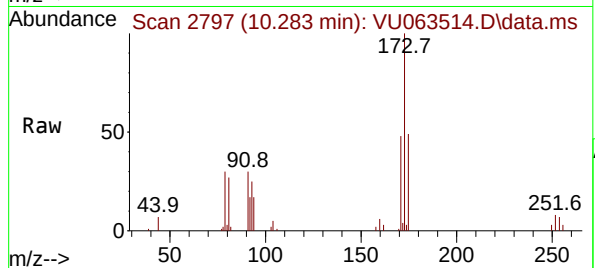
254 7.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.978 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

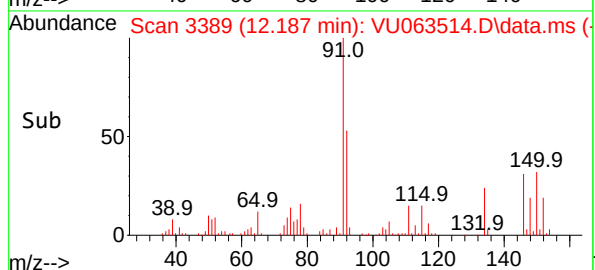
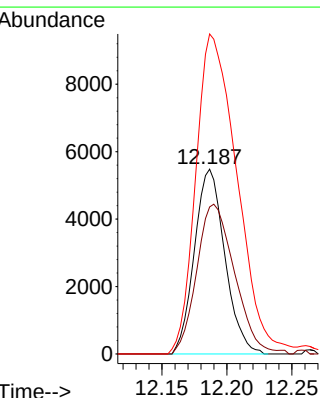
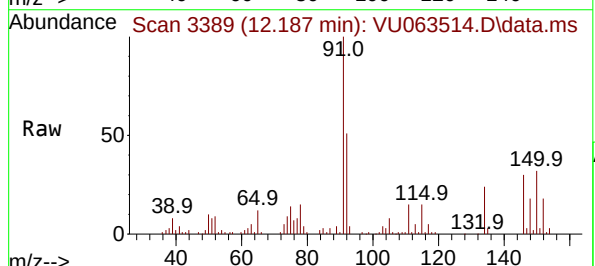
Tgt Ion:152 Resp: 8923

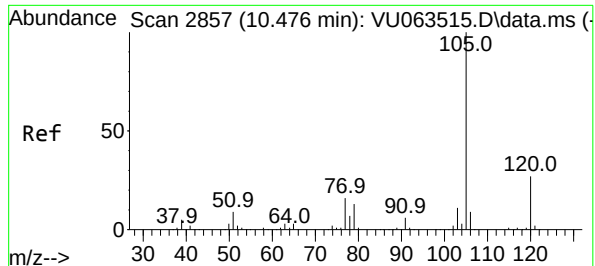
Ion Ratio Lower Upper

152 100

115 100.6 0.0 262.2

150 234.6 0.0 651.2





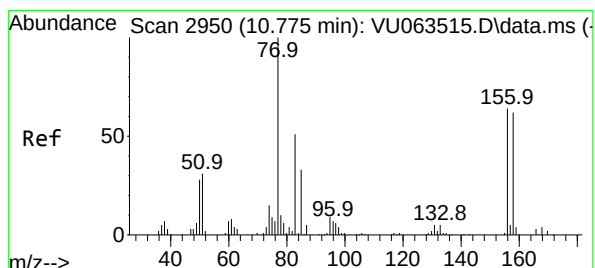
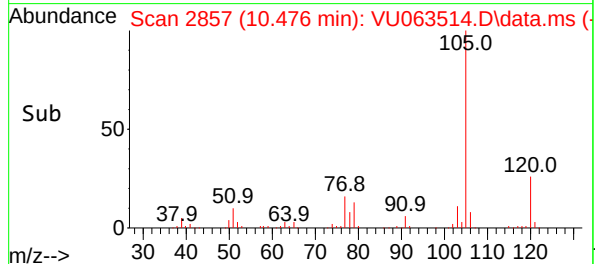
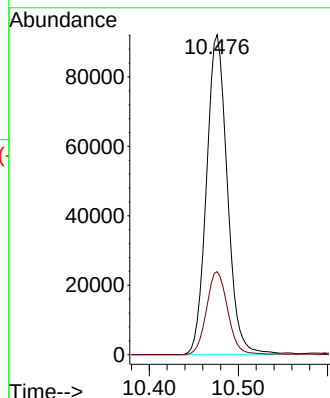
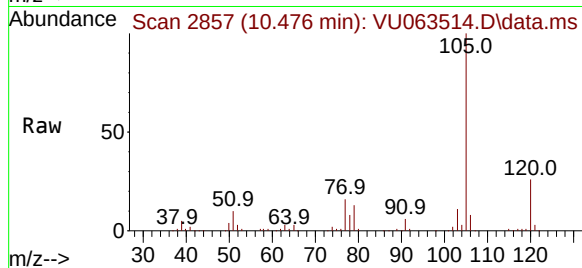
#69
Isopropylbenzene
Concen: 5.002 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 149628
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5

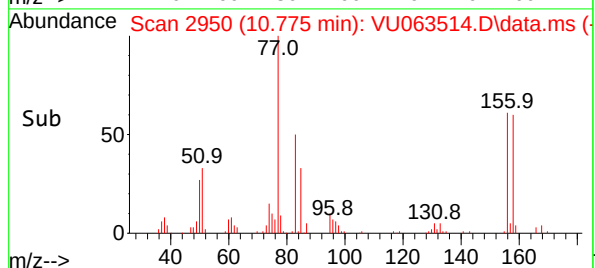
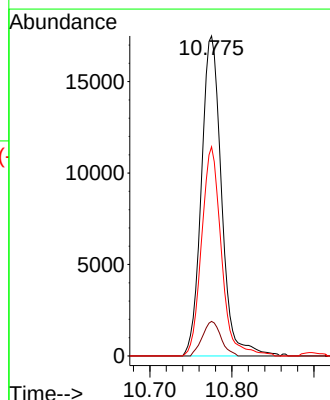
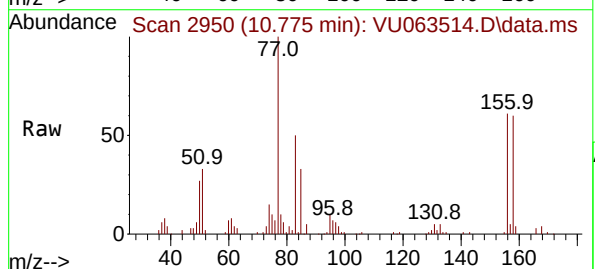
Manual Integrations
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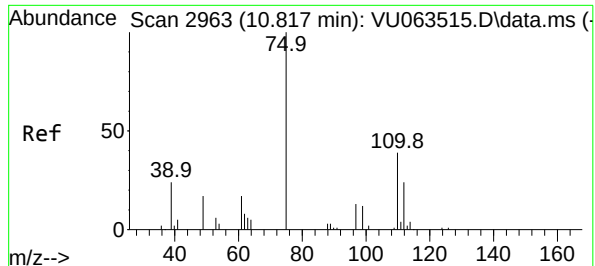
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 4.906 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion: 83 Resp: 29913
Ion Ratio Lower Upper
83 100
131 10.0 8.4 12.6
85 64.1 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 4.645 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 2311

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 37.7 0.0 73.2

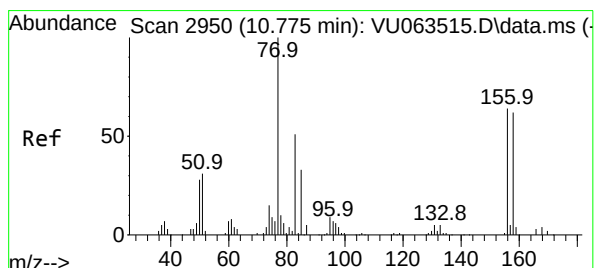
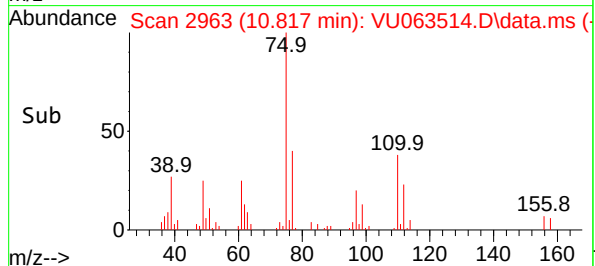
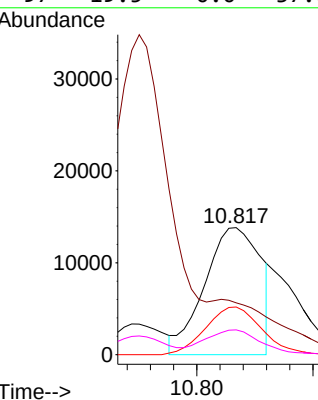
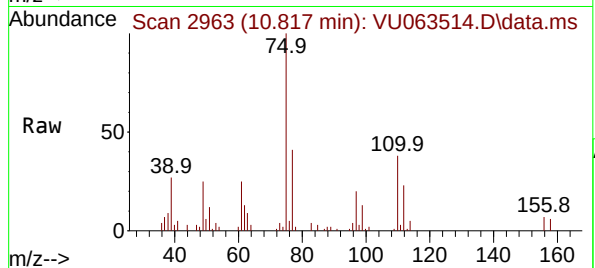
97 19.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 4.941 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

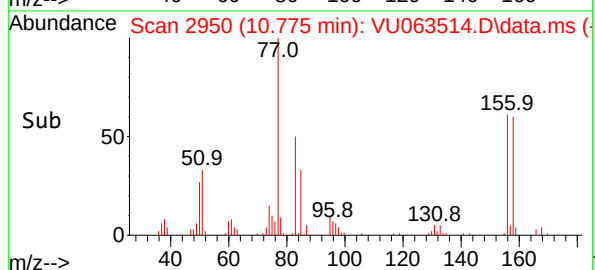
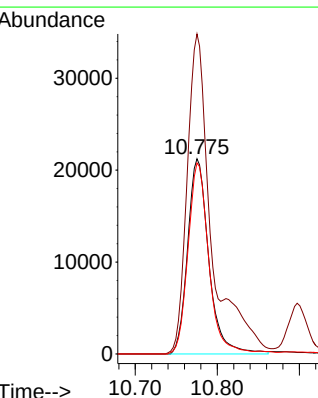
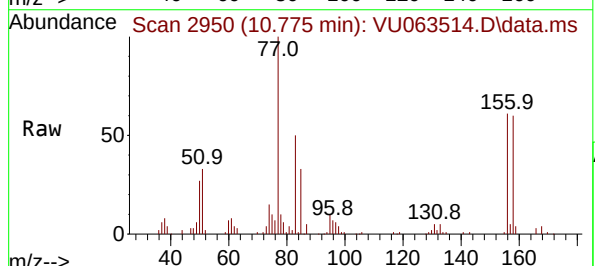
Tgt Ion:156 Resp: 38144

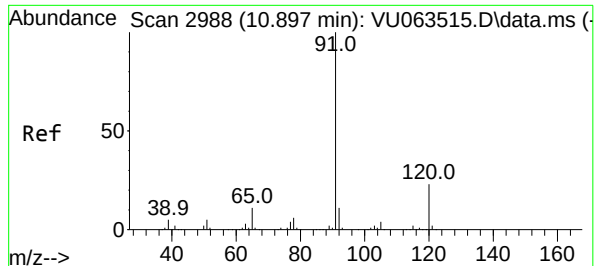
Ion Ratio Lower Upper

156 100

77 156.6 0.0 315.2

158 95.5 0.0 195.4





#73

n-propylbenzene

Concen: 4.978 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:120 Resp: 44825

Ion Ratio Lower Upper

120 100

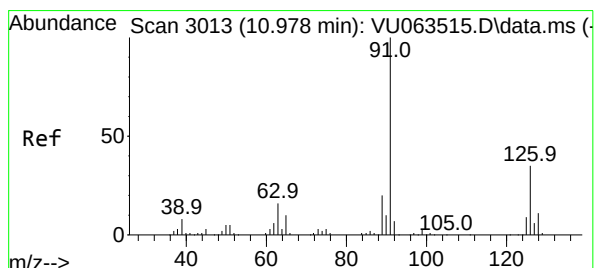
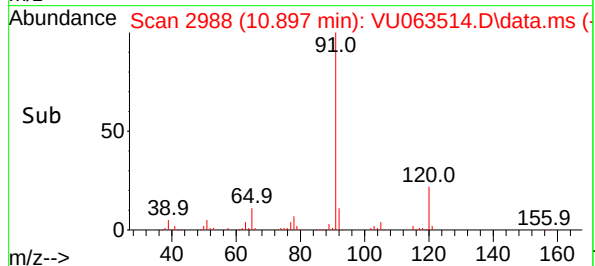
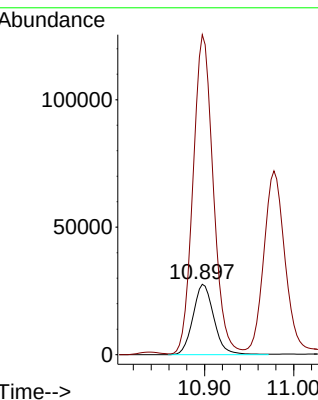
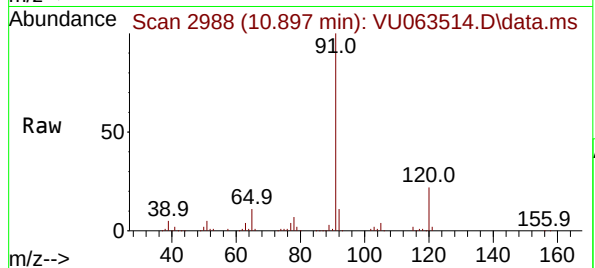
91 438.5 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 4.932 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063514.D

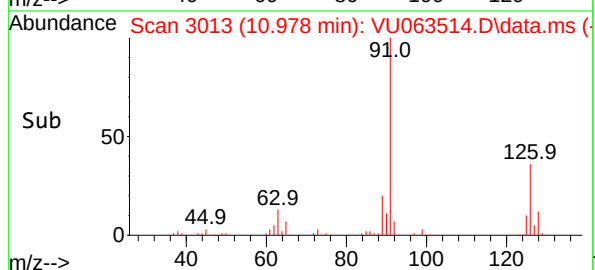
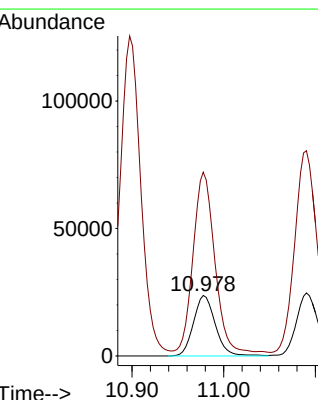
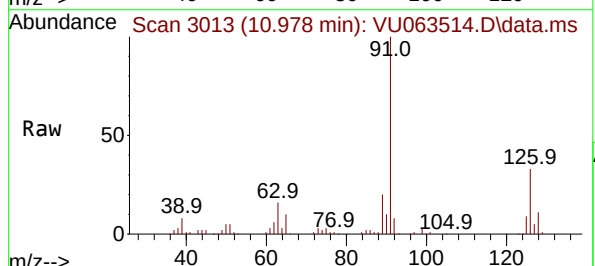
Acq: 16 Jul 2025 11:00

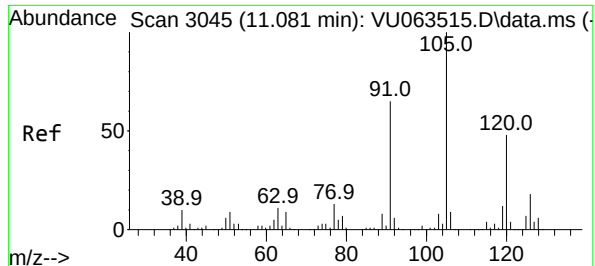
Tgt Ion:126 Resp: 39249

Ion Ratio Lower Upper

126 100

91 292.1 0.0 606.0





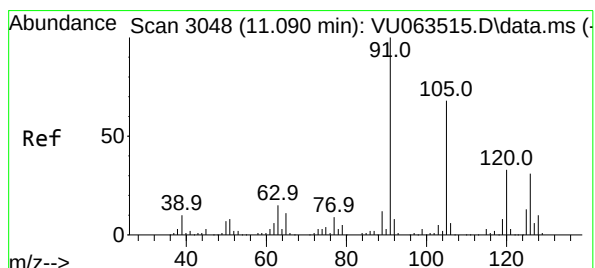
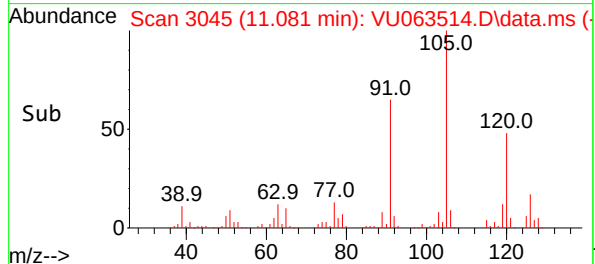
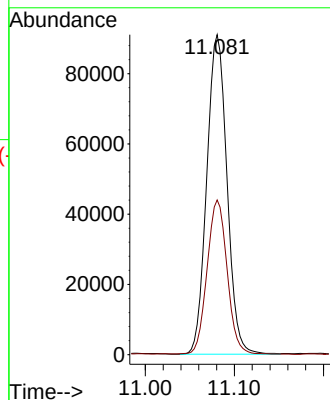
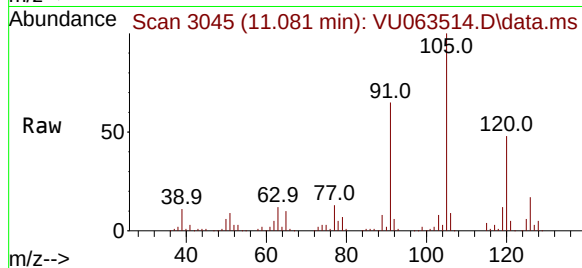
#75
1,3,5-Trimethylbenzene
Concen: 5.025 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 143599
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.8

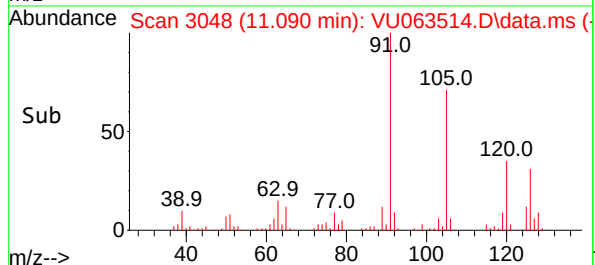
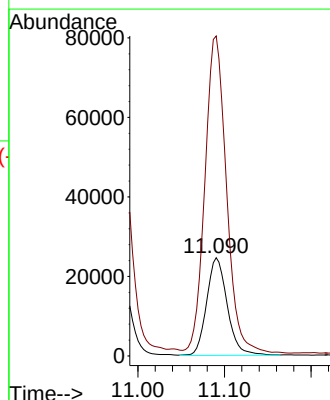
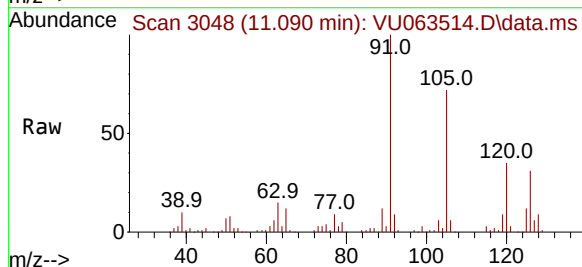
Manual Integrations
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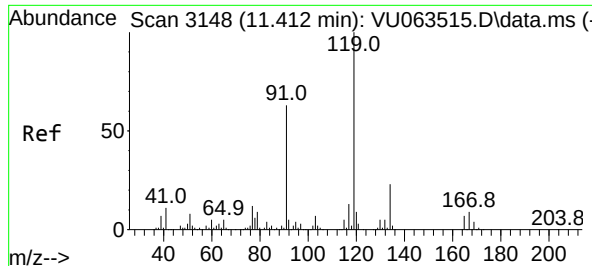
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#76
4-Chlorotoluene
Concen: 5.014 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:126 Resp: 40518
Ion Ratio Lower Upper
126 100
91 341.9 0.0 682.2





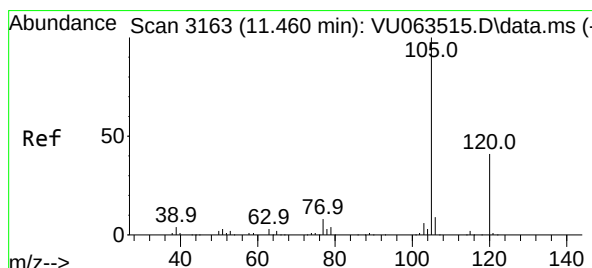
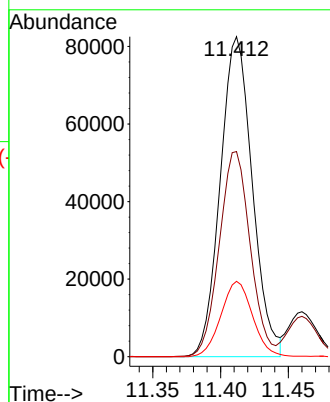
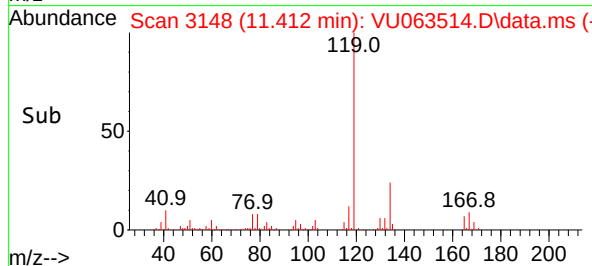
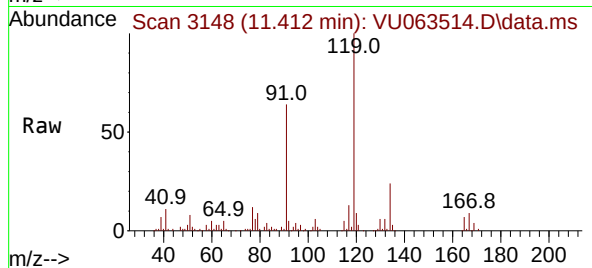
#77
tert-Butylbenzene
Concen: 4.970 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 13573
Ion Ratio Lower Upper
119 100
91 62.1 30.7 92.1
134 23.3 18.5 27.7

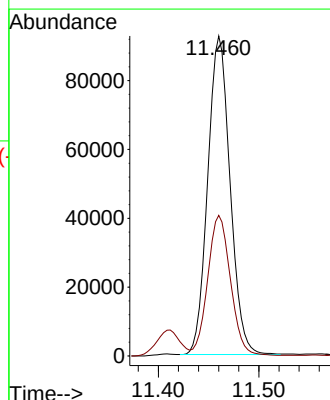
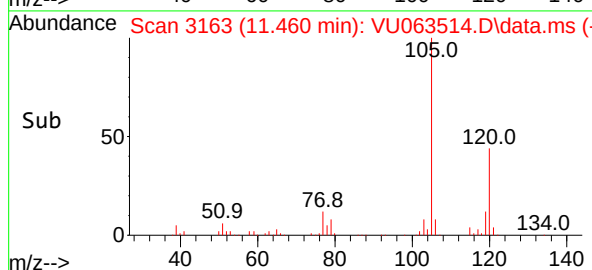
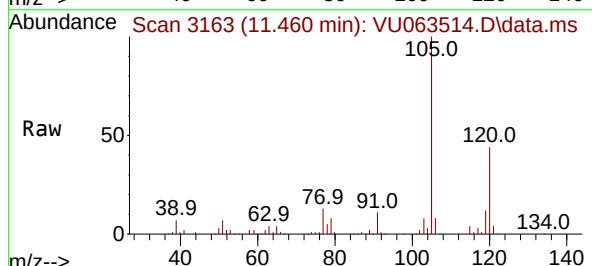
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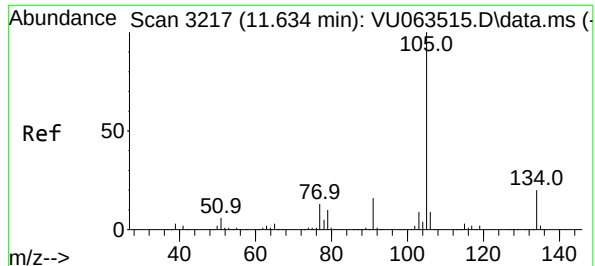
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78
1,2,4-Trimethylbenzene
Concen: 5.038 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:105 Resp: 142811
Ion Ratio Lower Upper
105 100
120 44.8 22.7 68.0





#79

sec-Butylbenzene

Concen: 5.015 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 18468

Ion Ratio Lower Upper

105 100

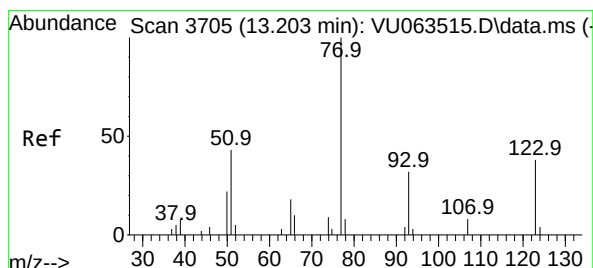
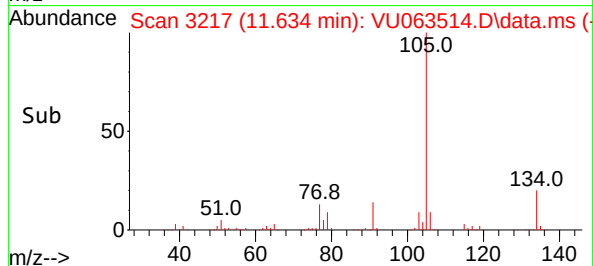
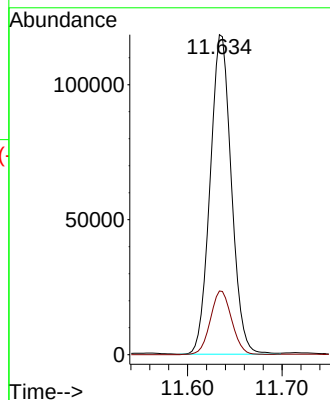
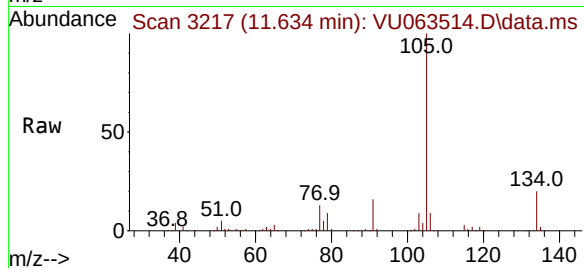
134 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 23.955 ug/l

RT: 13.206 min Scan# 3706

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

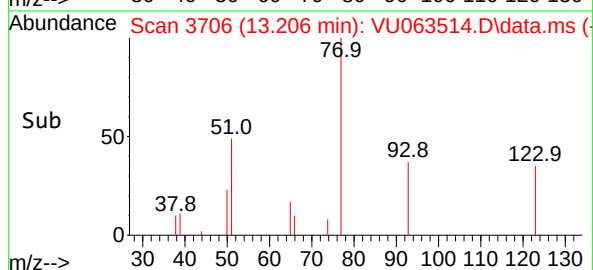
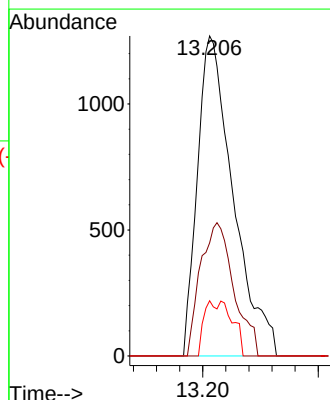
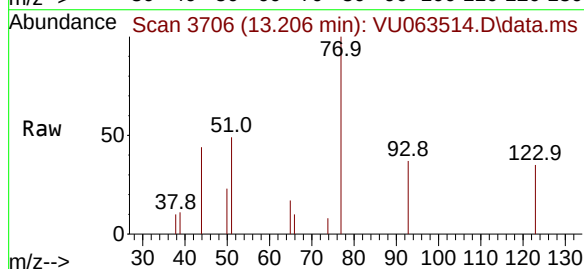
Tgt Ion: 77 Resp: 2721

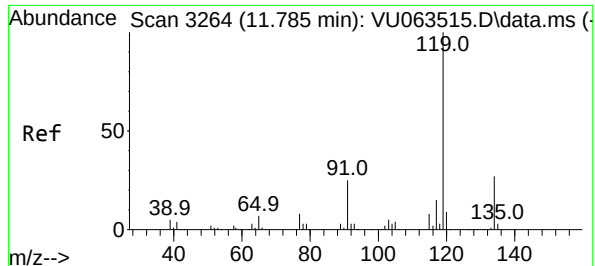
Ion Ratio Lower Upper

77 100

123 39.0 16.9 59.7

65 6.5 16.5 20.9#





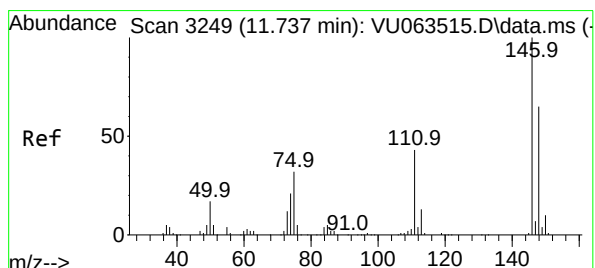
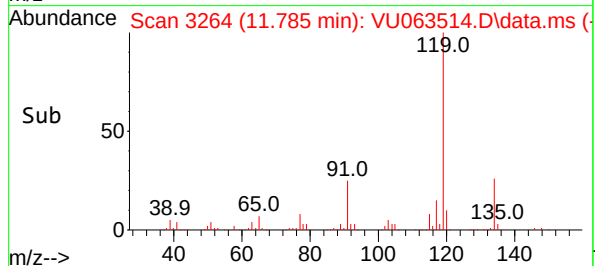
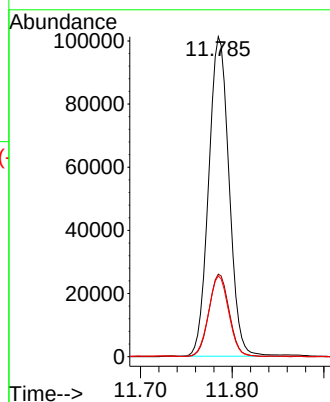
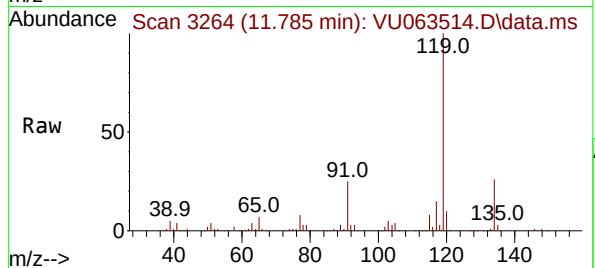
#81
p-Isopropyltoluene
Concen: 5.093 ug/l
RT: 11.785 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 15656
Ion Ratio Lower Upper
119 100
134 25.3 21.1 31.7
91 24.6 19.8 29.8

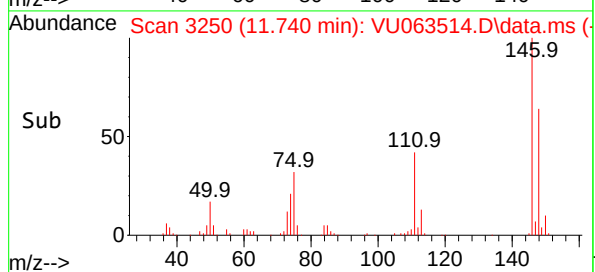
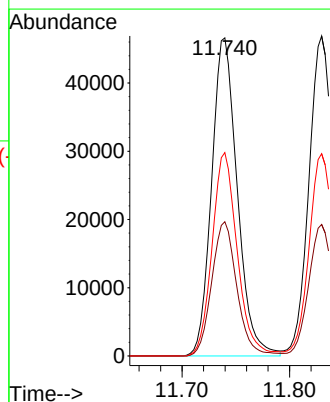
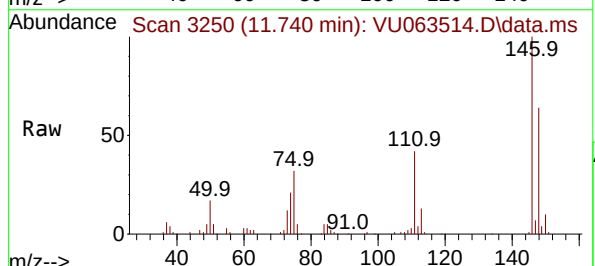
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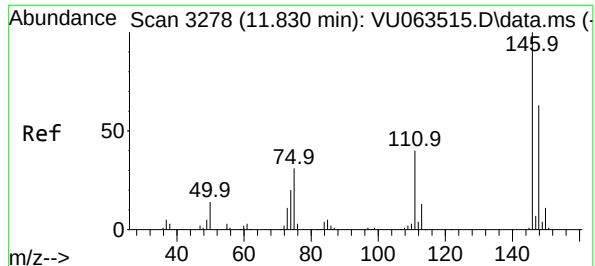
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#82
1,3-Dichlorobenzene
Concen: 5.007 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

Tgt Ion:146 Resp: 77340
Ion Ratio Lower Upper
146 100
111 41.4 33.8 50.6
148 62.7 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 4.975 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 76910

Ion Ratio Lower Upper

146 100

111 40.9 32.0 48.0

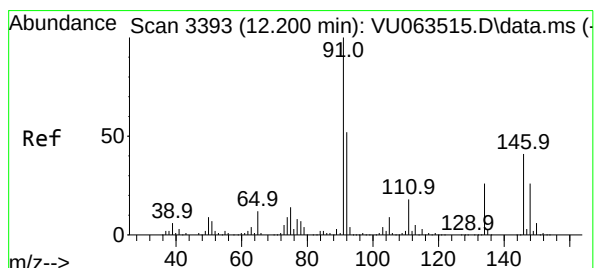
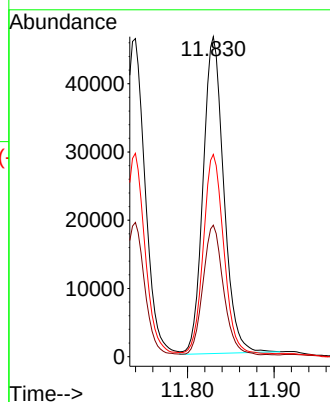
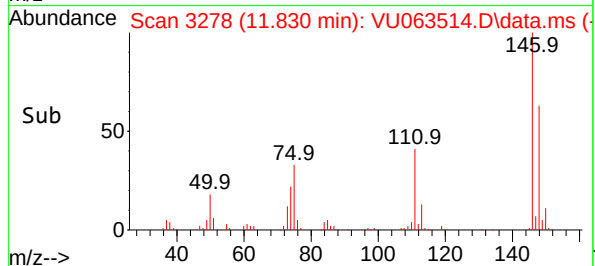
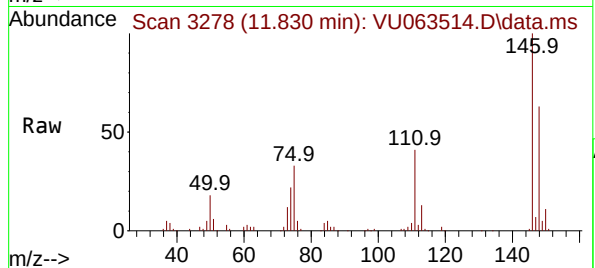
148 63.1 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 5.087 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

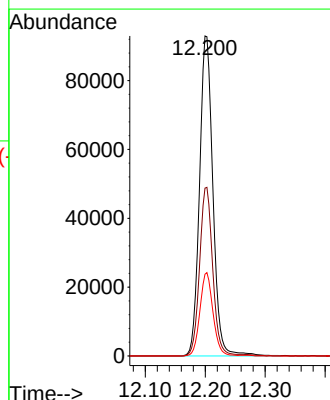
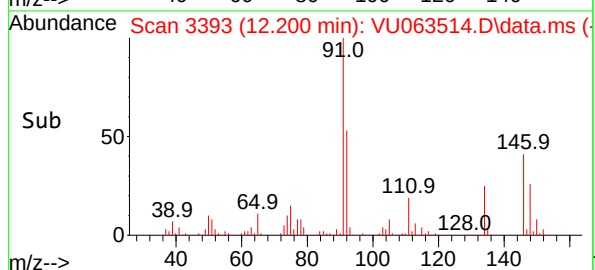
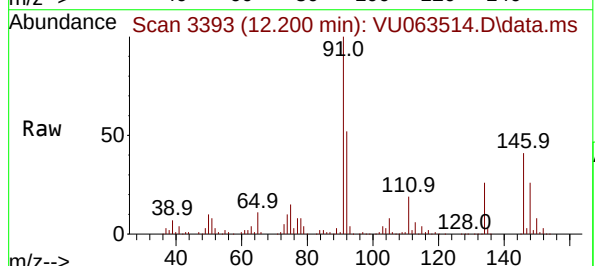
Tgt Ion: 91 Resp: 145033

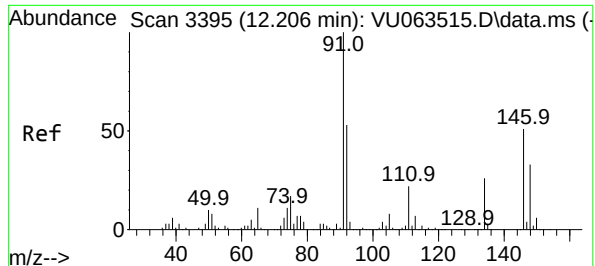
Ion Ratio Lower Upper

91 100

92 52.0 41.5 62.3

134 25.4 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 4.958 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

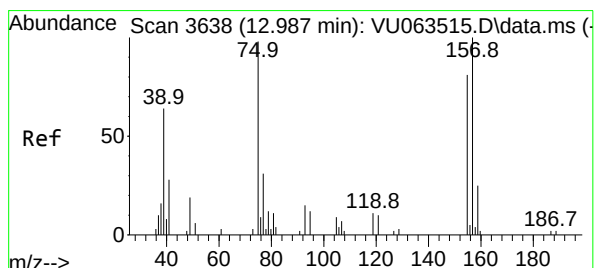
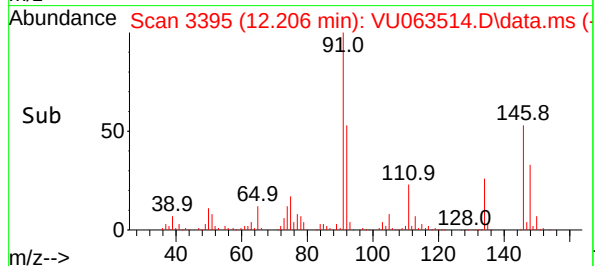
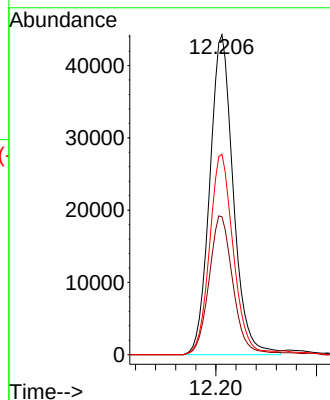
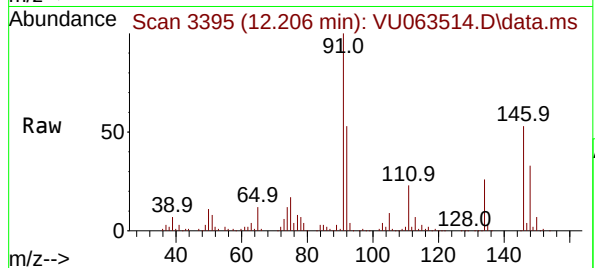
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	7194
Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.7	65.1
148	63.3	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 4.863 ug/l

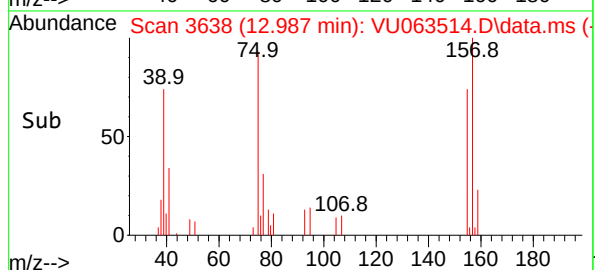
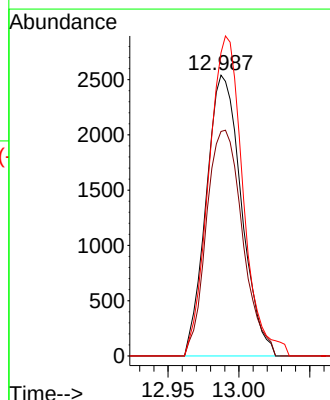
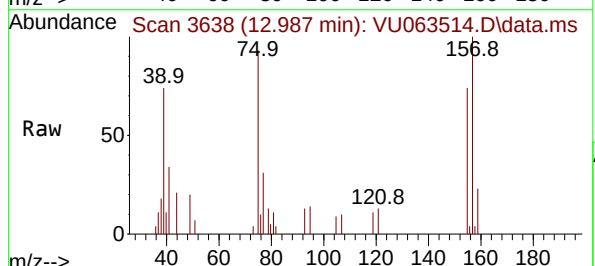
RT: 12.987 min Scan# 3638

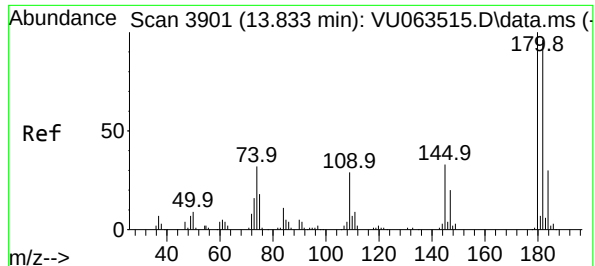
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion:	75	Resp:	4378
Ion	Ratio	Lower	Upper
75	100		
155	82.6	65.8	98.6
157	111.0	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 4.931 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA_U

ClientSampleId :

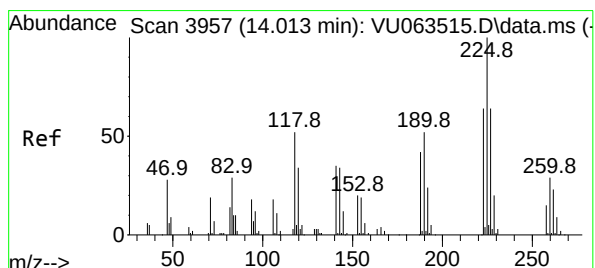
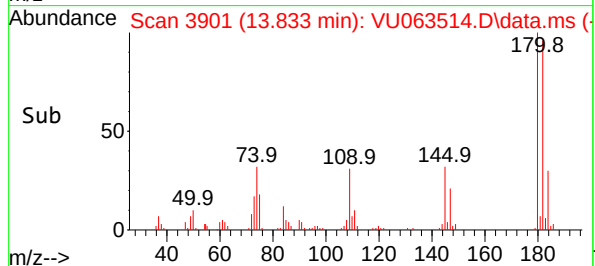
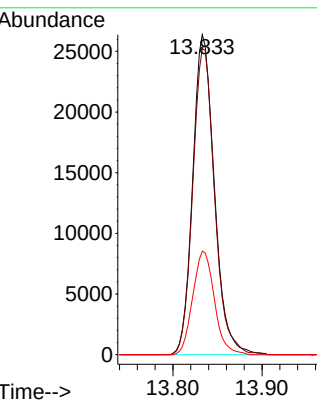
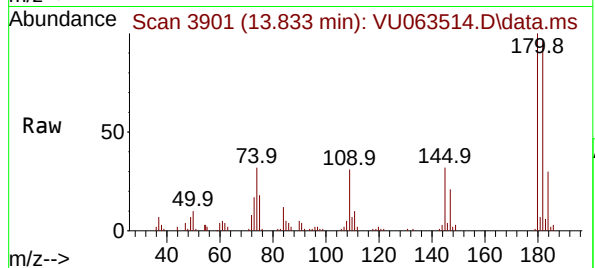
VSTDIC005

Tgt Ion:180	Resp:	4449	
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.2	114.4
145	32.3	26.2	39.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 4.948 ug/l

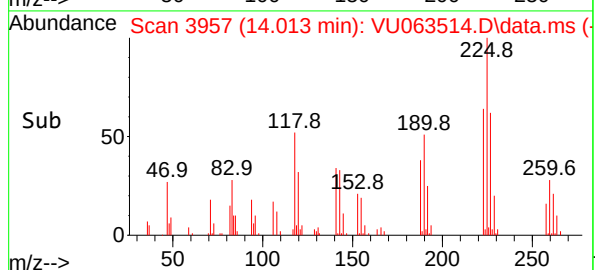
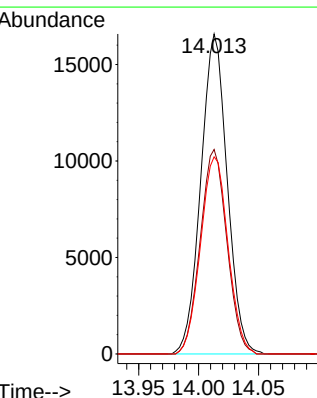
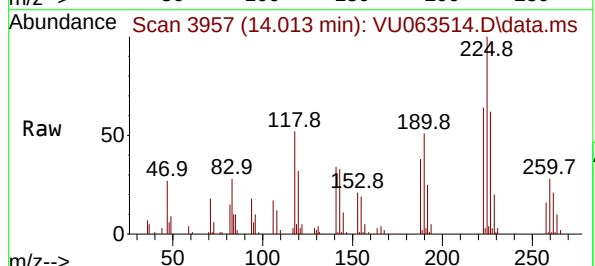
RT: 14.013 min Scan# 3957

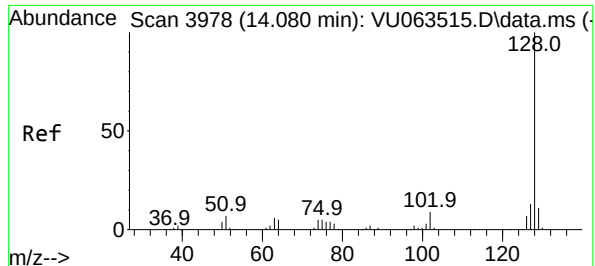
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

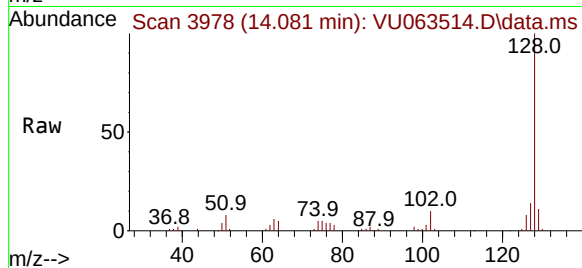
Tgt Ion:225	Resp:	25355	
Ion Ratio	Lower	Upper	
225	100		
223	64.5	50.8	76.2
227	64.1	51.0	76.6





#89
Naphthalene
Concen: 4.728 ug/l
RT: 14.081 min Scan# 3978
Delta R.T. 0.001 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00

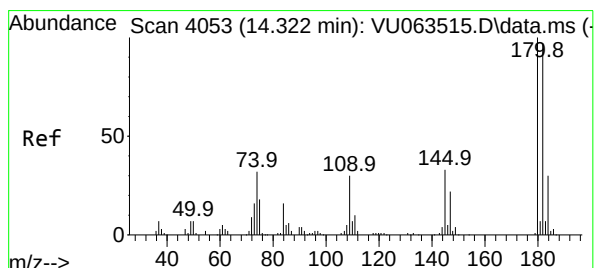
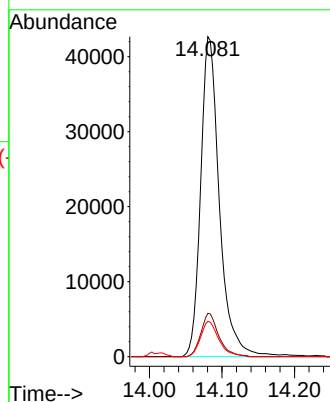
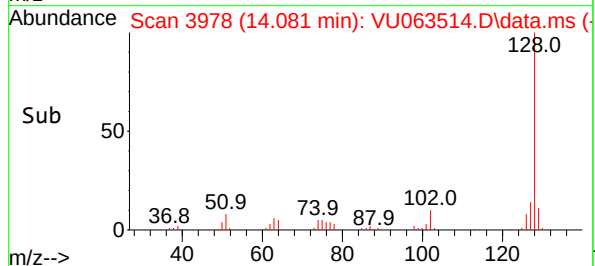
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



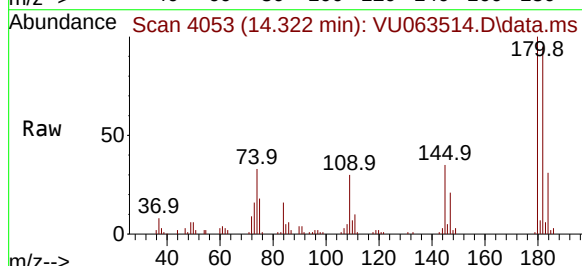
Tgt Ion:128 Resp: 76448
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.8 8.8 13.2

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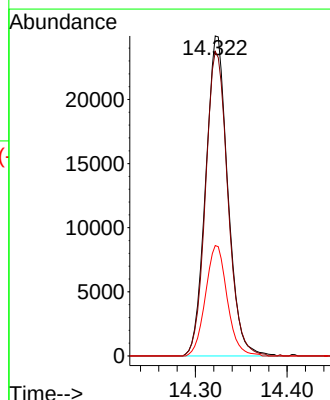
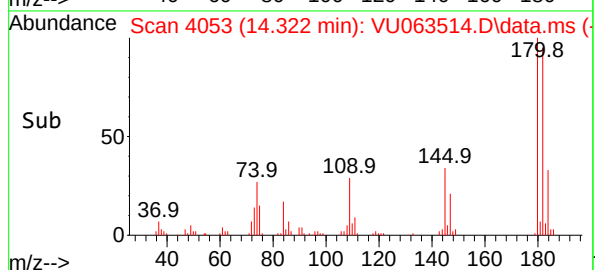
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#90
1,2,3-Trichlorobenzene
Concen: 5.017 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063514.D
Acq: 16 Jul 2025 11:00



Tgt Ion:180 Resp: 41834
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 33.9 27.3 40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063515.D
 Acq On : 16 Jul 2025 11:37
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:25:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.100	96	25507	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9419	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9149	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	75576	10.049	ug/l	100
3) Chloromethane	1.518	50	68401	9.784	ug/l	100
4) Vinyl Chloride	1.599	62	90489	10.162	ug/l	100
5) Bromomethane	1.840	94	62116	9.251	ug/l	100
6) Chloroethane	1.923	64	54599	10.156	ug/l	100
7) Trichlorofluoromethane	2.126	101	129904	10.161	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	67855	10.156	ug/l	100
9) 1,1-Dichloroethene	2.566	96	67577	10.205	ug/l	100
10) Iodomethane	2.708	142	94216	9.560	ug/l	100
11) Allyl Chloride	2.907	41	97312	10.172	ug/l	100
12) Acrylonitrile	3.306	53	32316	19.501	ug/l	100
13) Acetone	2.618	43	63754	48.044	ug/l	100
14) Carbon Disulfide	2.775	76	219662	10.270	ug/l	100
15) Methylene Chloride	3.029	84	74766	9.590	ug/l	100
16) trans-1,2-Dichloroethene	3.335	96	76110	10.120	ug/l	100
17) 1,1-Dichloroethane	3.849	63	139986	10.042	ug/l	100
18) 2-Butanone	4.711	43	101743	49.509	ug/l	100
19) Cyclohexane	5.361	56	117794	9.980	ug/l	100
20) Methylcyclohexane	6.740	83	124959	10.893	ug/l	100
21) 2,2-Dichloropropane	4.644	77	115814	9.757	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	81707	10.012	ug/l	100
23) Diethyl Ether	2.367	59	52619	10.428	ug/l	100
24) tert-Butyl Alcohol	3.190	59	60952	100.062	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	176642	10.218	ug/l	100
26) Bromochloromethane	4.955	128	35072	10.293	ug/l	100
27) Chloroform	5.071	83	139474	9.805	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	122824	10.174	ug/l	100
29) 1,1-Dichloropropene	5.505	75	110654	9.894	ug/l	100
30) Carbon Tetrachloride	5.502	117	99861	10.277	ug/l	100
31) Isopropyl Ether	3.991	45	212065	10.078	ug/l	100
32) Ethyl-t-butyl ether	4.502	59	196224	10.077	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	169757	10.045	ug/l	100
34) Propionitrile	4.772	54	29396	46.949	ug/l	100
35) Benzene	5.756	78	306660	10.205	ug/l	100
36) 1,2-Dichloroethane	5.782	62	95989	10.281	ug/l	100
37) Trichloroethene	6.525	130	82269	10.731	ug/l	100
38) 1,2-Dichloropropane	6.779	63	80452	11.439	ug/l	100
39) Methacrylonitrile	4.972	41	25859	9.408	ug/l	100
40) Methyl acrylate	4.846	55	42948	10.557	ug/l	100
41) Tetrahydrofuran	5.058	42	26672	18.218	ug/l	100
42) 1-Chlorobutane	5.438	56	150746	10.139	ug/l	100
43) Dibromomethane	6.907	93	39219	10.765	ug/l	100
44) Bromodichloromethane	7.094	83	83585	10.173	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063515.D
 Acq On : 16 Jul 2025 11:37
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	194373	51.766	ug/l	100
46) t-1,4-Dichloro-2-butene	10.820	75	32073m	24.076	ug/l	
47) Methyl methacrylate	6.962	69	64875	21.203	ug/l	100
48) Ethyl methacrylate	8.335	69	64347	11.020	ug/l	100
49) Toluene	7.959	92	171146	10.432	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	72787	11.292	ug/l	100
51) cis-1,3-Dichloropropene	7.598	75	92302	10.668	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	51547	10.510	ug/l	100
53) 1,3-Dichloropropane	8.569	76	87683	10.355	ug/l	100
54) 2-Hexanone	8.688	43	131332	52.658	ug/l	100
55) Dibromochloromethane	8.801	129	59098	11.401	ug/l	100
56) 1,2-Dibromoethane	8.917	107	45601	10.388	ug/l	100
58) Tetrachloroethene	8.540	164	72806	10.376	ug/l	100
59) Chlorobenzene	9.441	112	196780	10.443	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	64850	10.702	ug/l	100
61) Pentachloroethane	11.418	117	47516	11.097	ug/l	100
62) Hexachloroethane	12.466	117	49020	11.561	ug/l	100
63) Ethyl Benzene	9.563	91	335269	10.340	ug/l	100
64) m/p-Xylenes	9.685	106	264769	21.007	ug/l	100
65) o-Xylene	10.094	106	128634	10.621	ug/l	100
66) Styrene	10.106	104	209876	10.873	ug/l	100
67) Bromoform	10.283	173	30149	11.325	ug/l	100
69) Isopropylbenzene	10.476	105	313810	10.718	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	61909	10.373	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	53057m	10.893	ug/l	
72) Bromobenzene	10.775	156	78897	10.441	ug/l	100
73) n-propylbenzene	10.897	120	95656	10.853	ug/l	100
74) 2-Chlorotoluene	10.978	126	82104	10.540	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	301469	10.778	ug/l	100
76) 4-Chlorotoluene	11.090	126	84140	10.636	ug/l	100
77) tert-Butylbenzene	11.412	119	286405	10.714	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	300364	10.824	ug/l	100
79) sec-Butylbenzene	11.634	105	386577	10.724	ug/l	100
80) Nitrobenzene	13.203	77	6826	50.800	ug/l	100
81) p-Isopropyltoluene	11.785	119	325219	10.808	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	160312	10.603	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	161963	10.702	ug/l	100
84) n-Butylbenzene	12.200	91	308761	11.063	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	152208	10.716	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	10205	10.093	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	98105	11.107	ug/l	100
88) Hexachlorobutadiene	14.013	225	53764	10.718	ug/l	100
89) Naphthalene	14.080	128	173115	10.937	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	89908	11.015	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

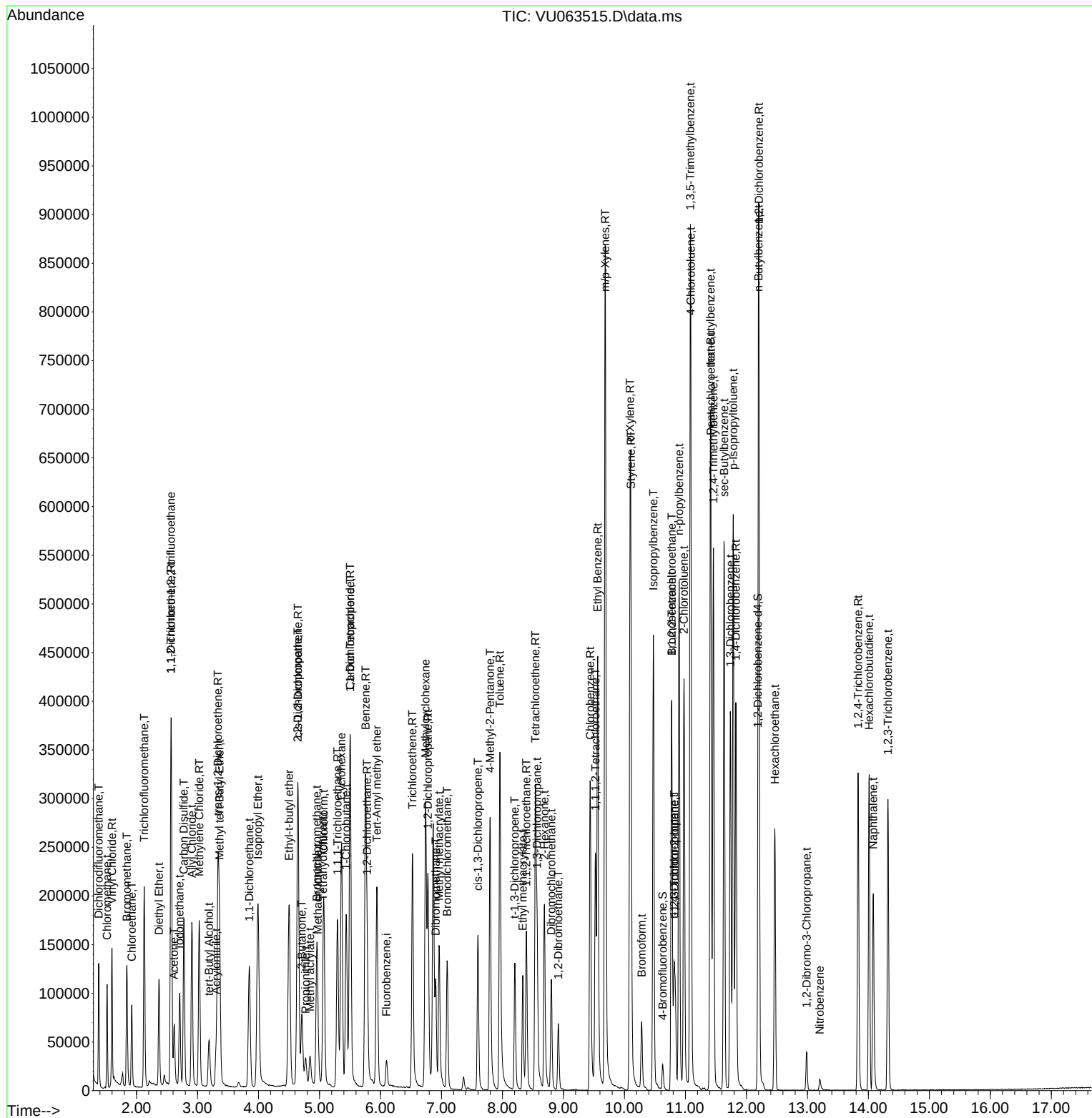
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 Acq On : 16 Jul 2025 11:37
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

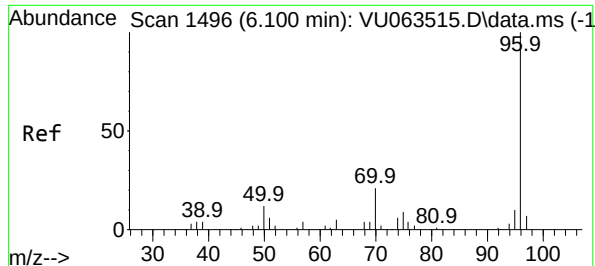
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration





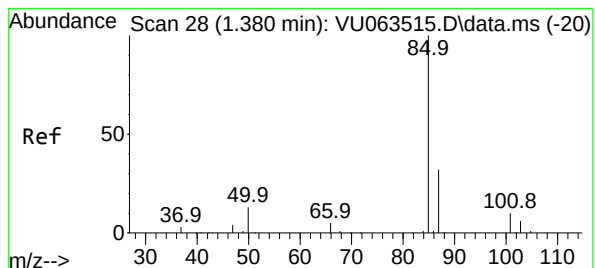
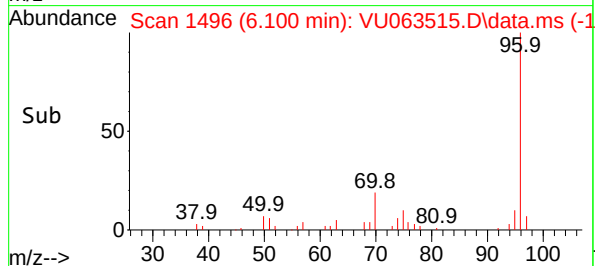
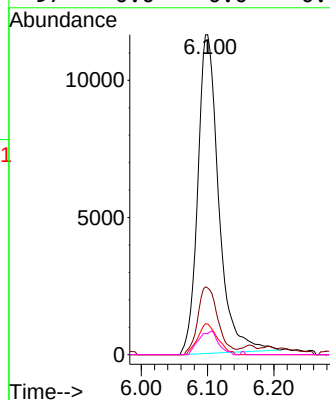
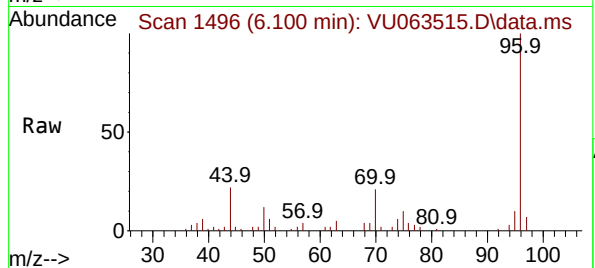
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 96 Resp: 2550
Ion Ratio Lower Upper
96 100
70 18.7 15.0 22.4
95 9.2 7.4 11.0
97 0.0 0.0 0.0

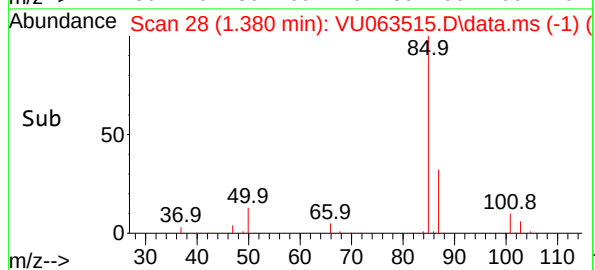
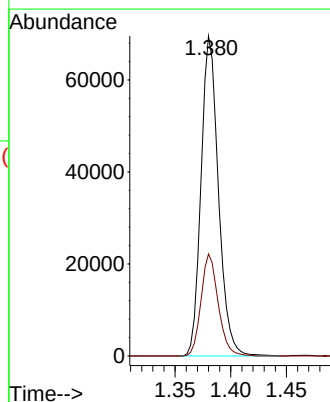
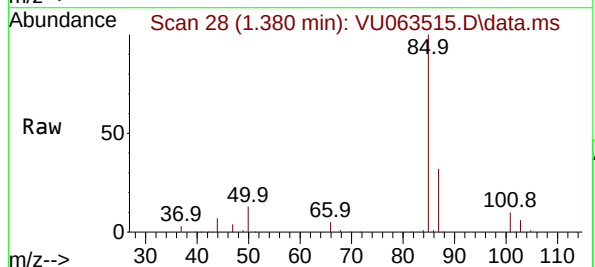
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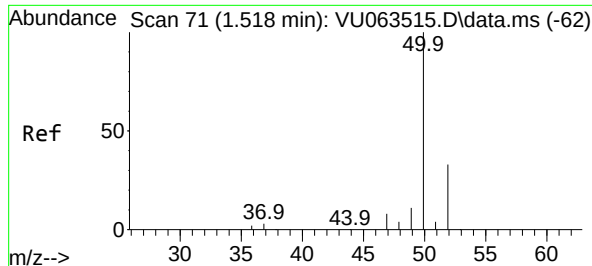
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 10.049 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 85 Resp: 75576
Ion Ratio Lower Upper
85 100
87 31.9 16.0 47.9





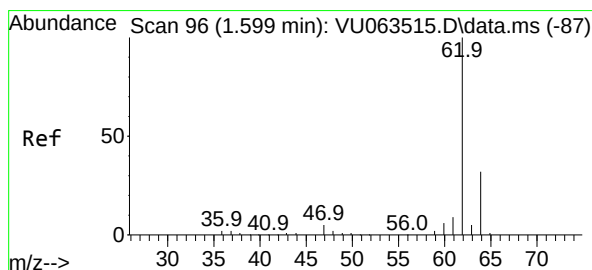
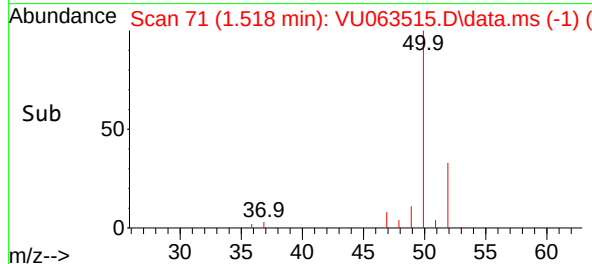
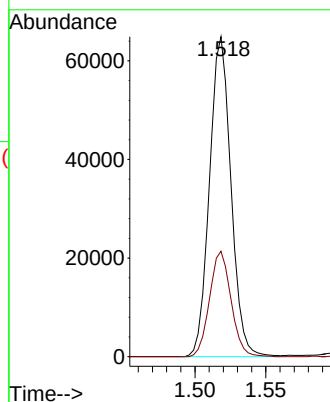
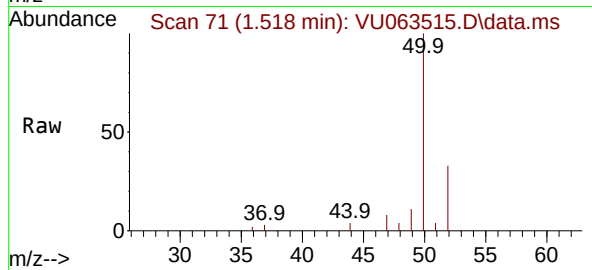
#3
Chloromethane
Concen: 9.784 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 50 Resp: 6840
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

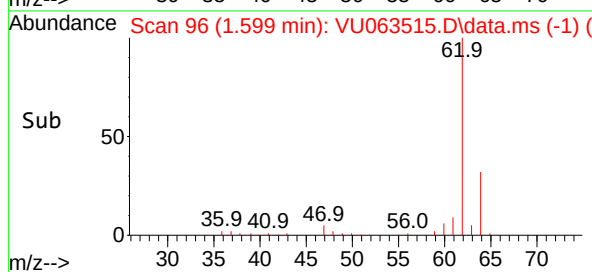
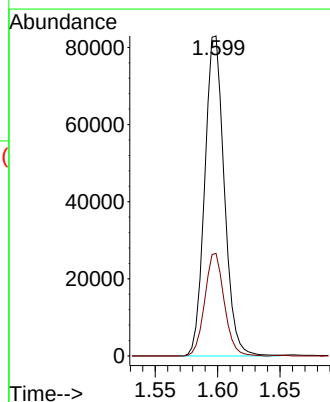
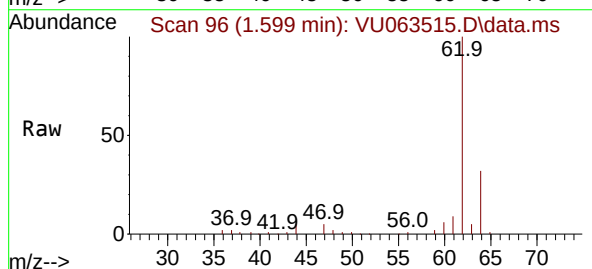
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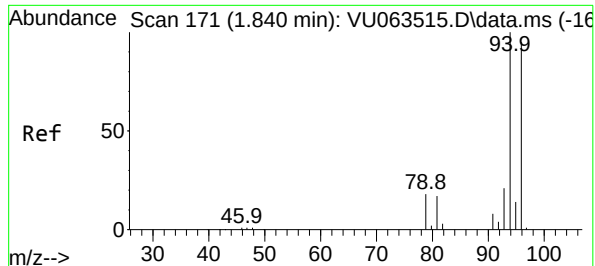
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 10.162 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 62 Resp: 90489
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





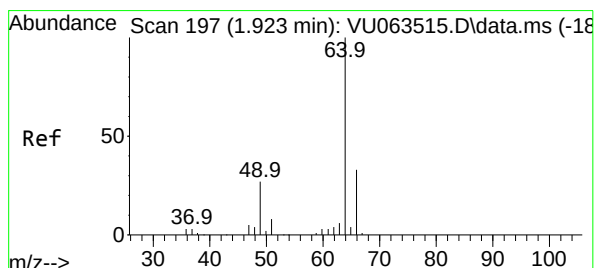
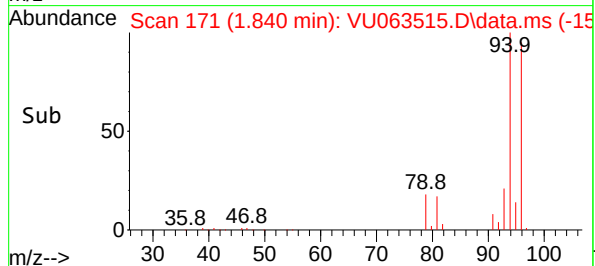
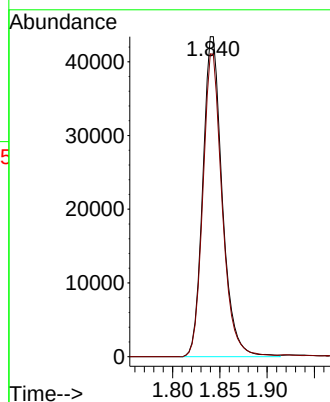
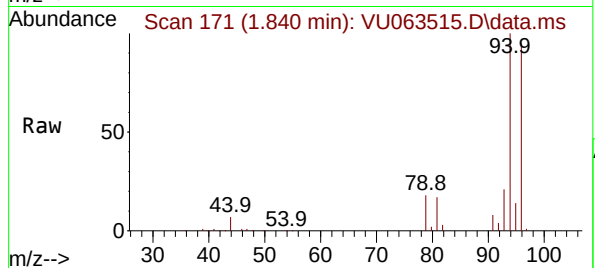
#5
Bromomethane
Concen: 9.251 ug/l
RT: 1.840 min Scan# 171
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 94 Resp: 62110
Ion Ratio Lower Upper
94 100
96 94.7 75.8 113.6

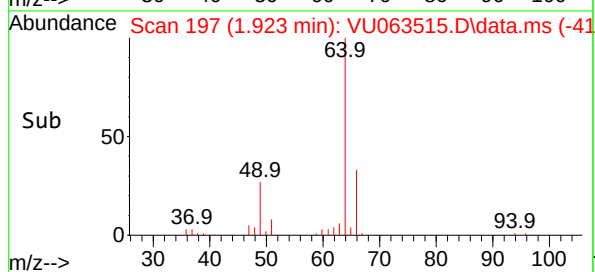
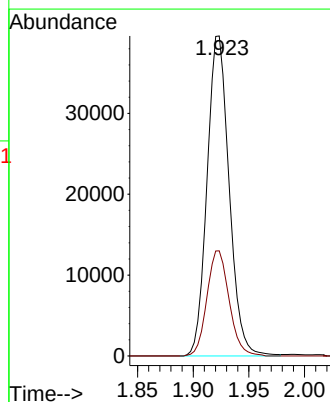
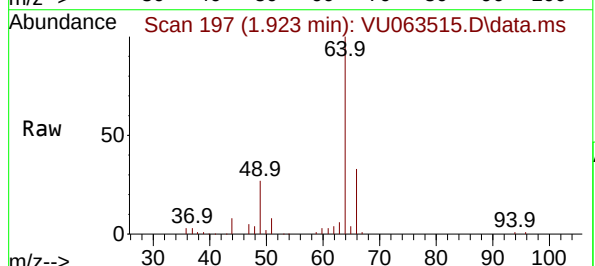
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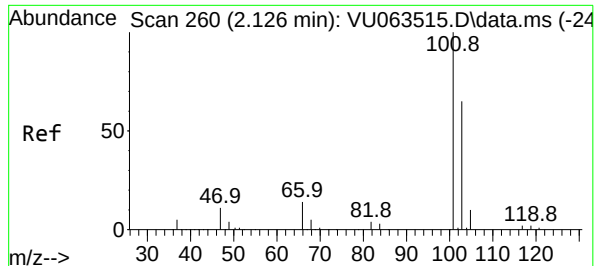
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#6
Chloroethane
Concen: 10.156 ug/l
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

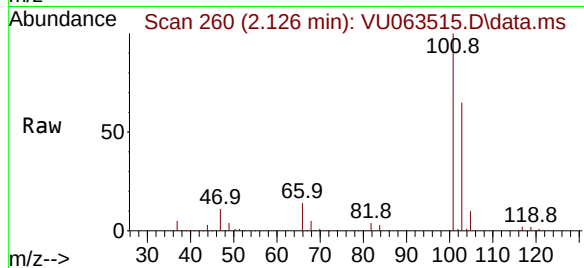
Tgt Ion: 64 Resp: 54599
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 10.161 ug/l
RT: 2.126 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

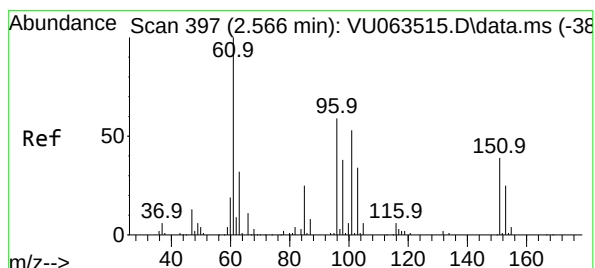
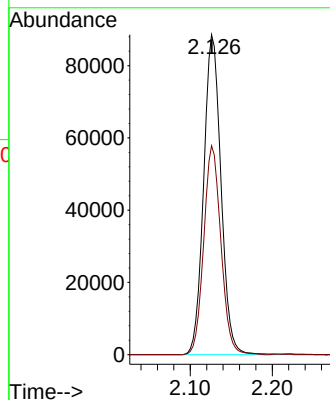
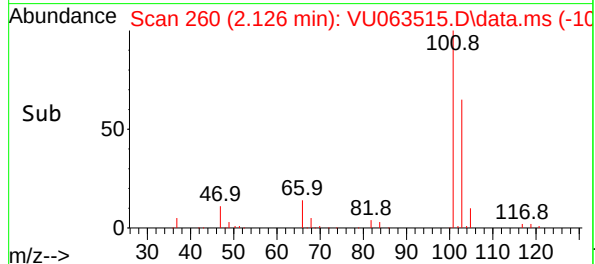
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:101 Resp: 129904
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

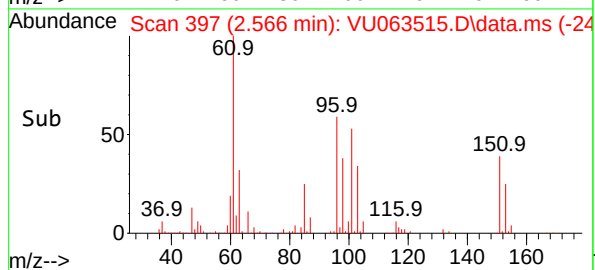
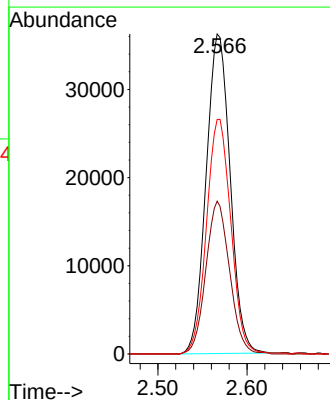
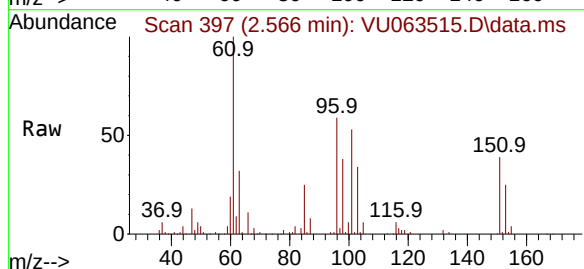
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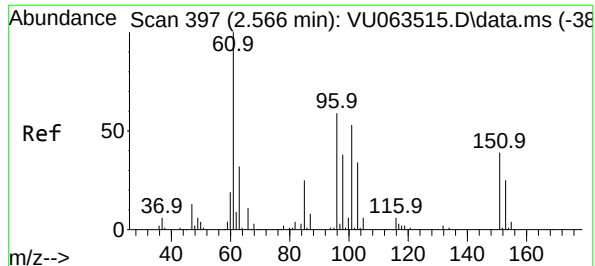
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.156 ug/l
RT: 2.566 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:101 Resp: 67855
Ion Ratio Lower Upper
101 100
85 47.2 37.8 56.6
151 74.0 59.2 88.8





#9

1,1-Dichloroethene

Concen: 10.205 ug/l

RT: 2.566 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

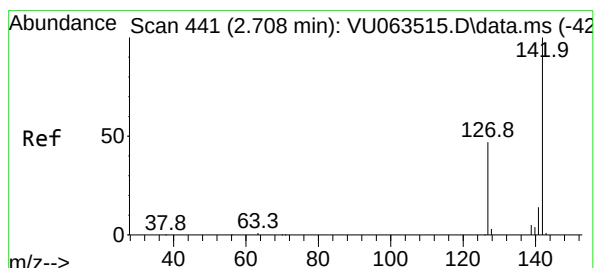
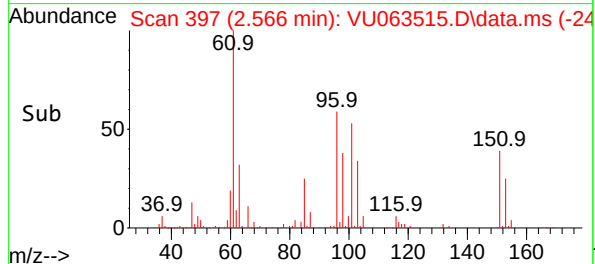
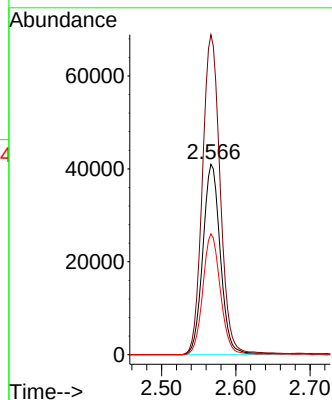
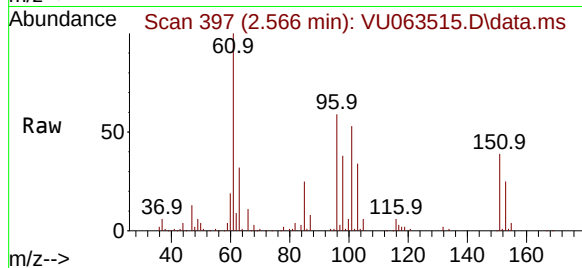
Client Sample Id :

VSTDICCC010

Tgt Ion:	96	Resp:	6757
Ion Ratio	Lower	Upper	
96	100		
61	168.1	0.0	504.3
98	63.4	0.0	126.8

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#10

Iodomethane

Concen: 9.560 ug/l

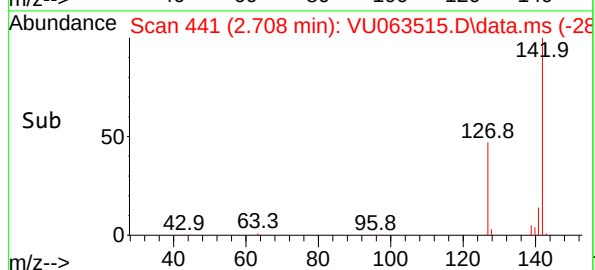
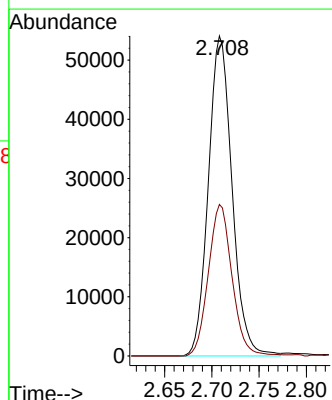
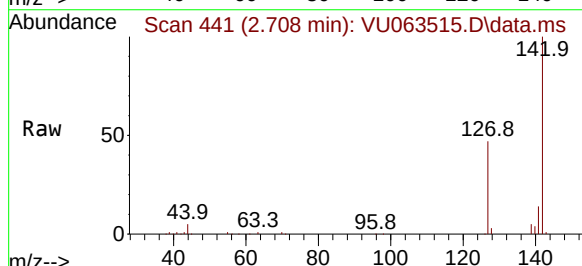
RT: 2.708 min Scan# 441

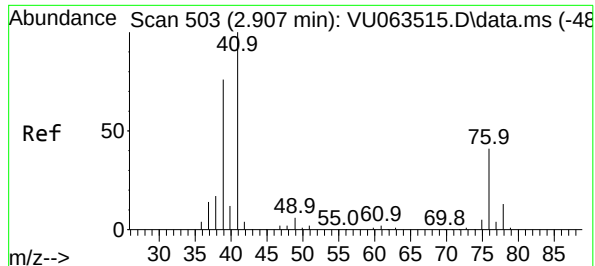
Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:	142	Resp:	94216
Ion Ratio	Lower	Upper	
142	100		
127	47.4	37.9	56.9





#11

Allyl Chloride

Concen: 10.172 ug/l

RT: 2.907 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 97312

Ion Ratio Lower Upper

41 100

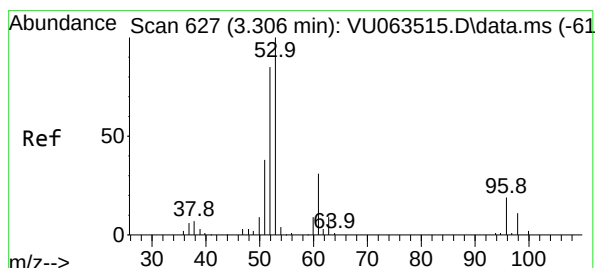
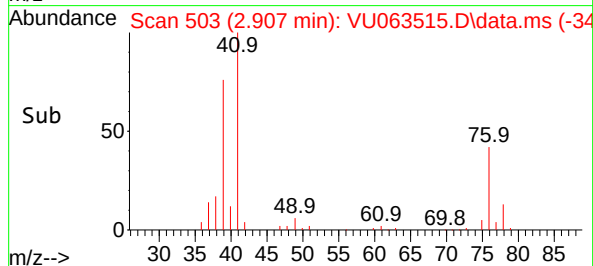
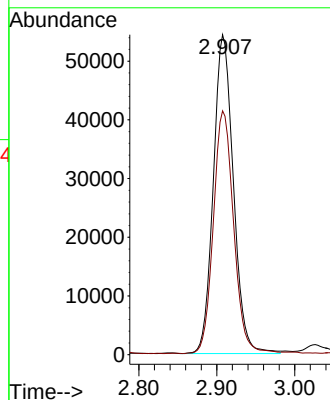
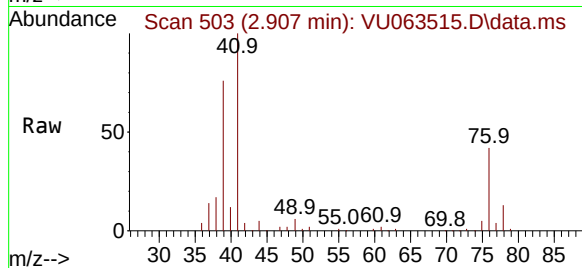
39 76.9 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#12

Acrylonitrile

Concen: 19.501 ug/l

RT: 3.306 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

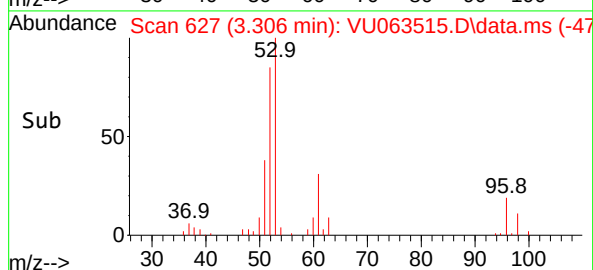
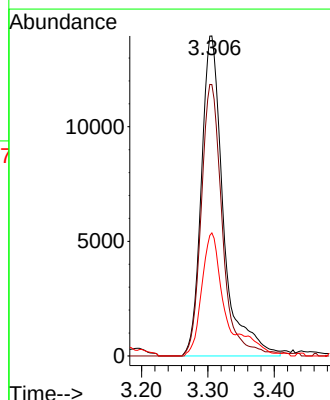
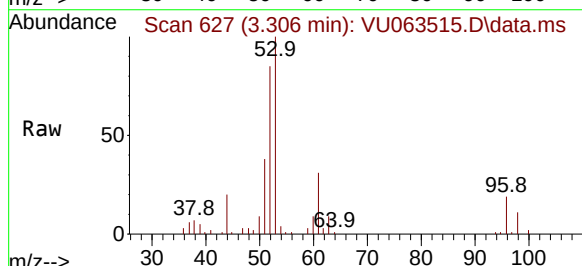
Tgt Ion: 53 Resp: 32316

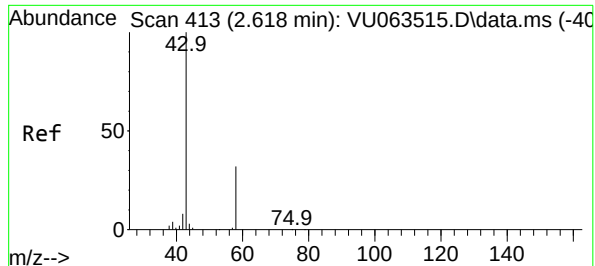
Ion Ratio Lower Upper

53 100

52 80.4 64.3 96.5

51 34.8 27.8 41.8





#13

Acetone

Concen: 48.044 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 63754

Ion Ratio Lower Upper

43

100

58

31.7

25.4

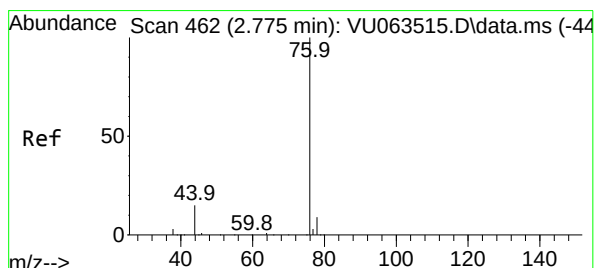
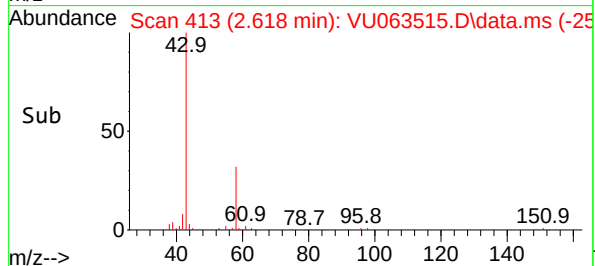
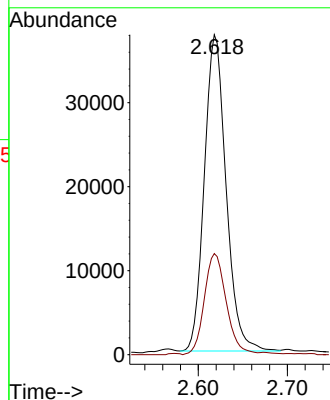
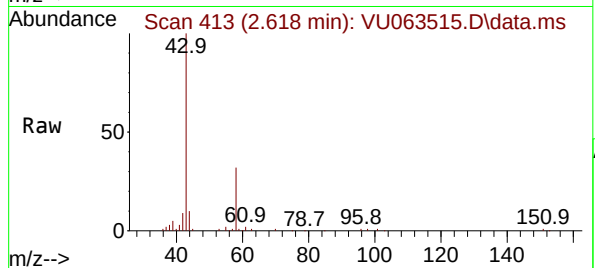
38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 10.270 ug/l

RT: 2.775 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 76 Resp: 219662

Ion Ratio Lower Upper

76

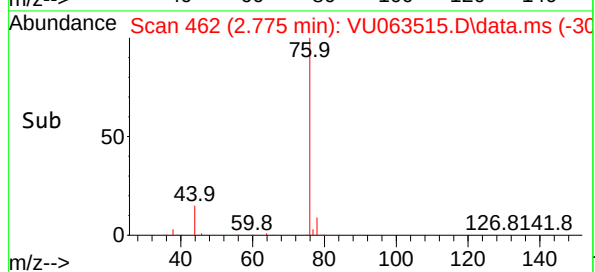
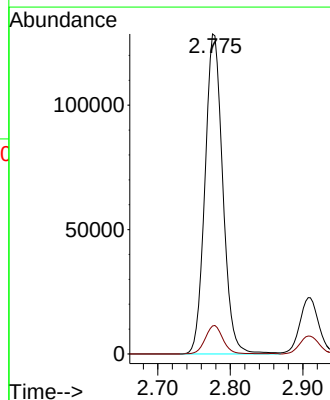
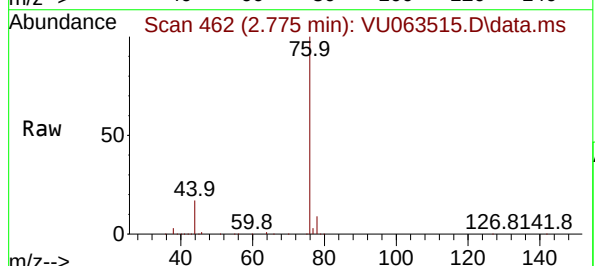
100

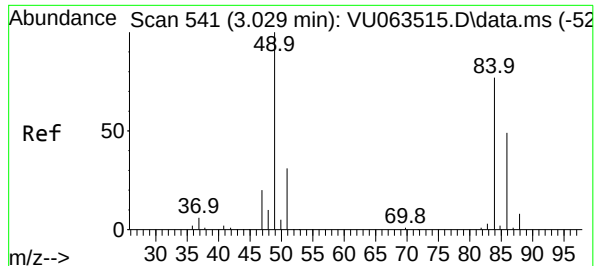
78

8.8

7.0

10.6





#15

Methylene Chloride

Concen: 9.590 ug/l

RT: 3.029 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 84 Resp: 7476

Ion Ratio Lower Upper

84 100

49 129.8 103.8 155.8

51 40.2 0.0 80.4

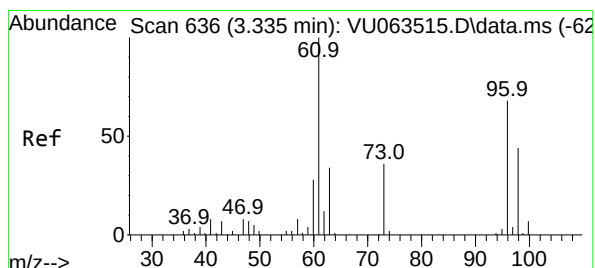
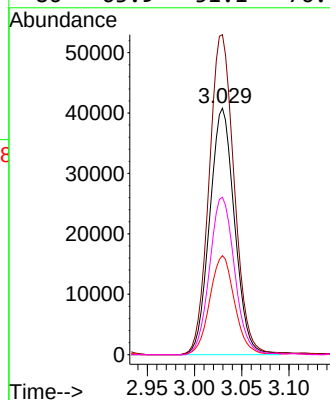
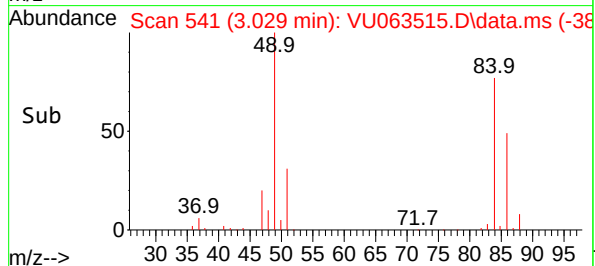
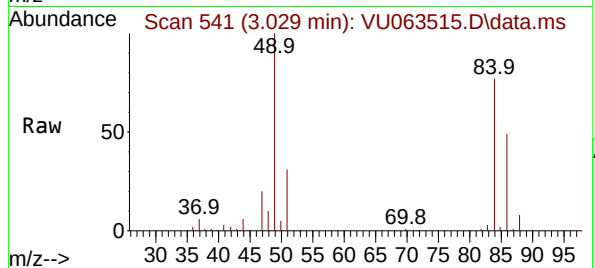
86 63.9 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#16

trans-1,2-Dichloroethene

Concen: 10.120 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

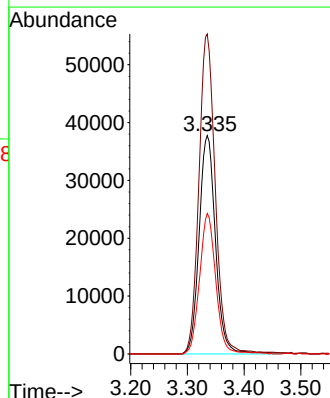
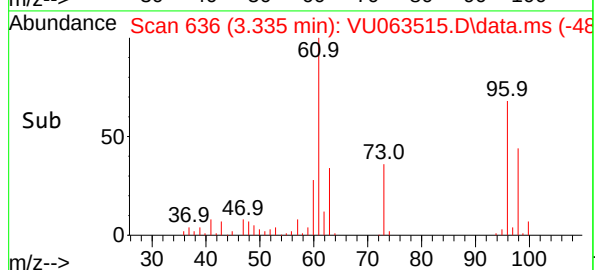
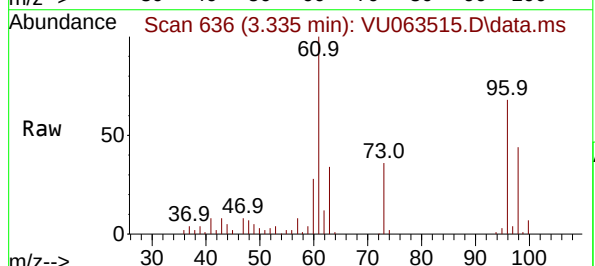
Tgt Ion: 96 Resp: 76110

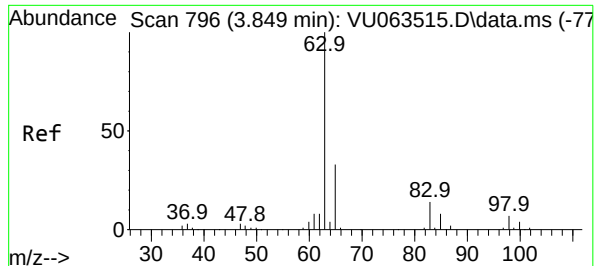
Ion Ratio Lower Upper

96 100

61 146.5 117.2 175.8

98 64.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 10.042 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

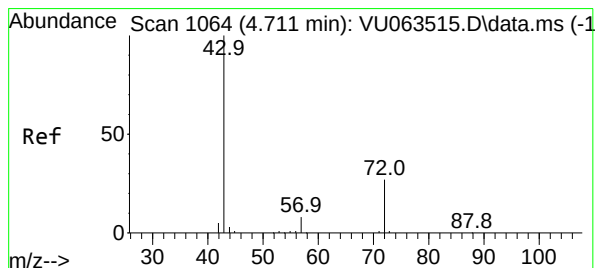
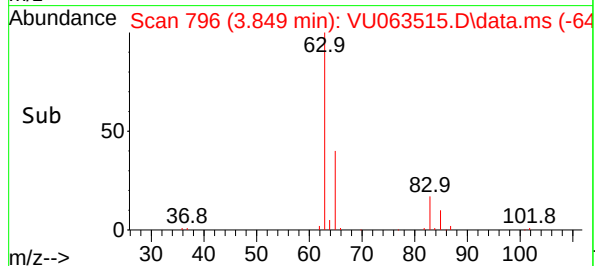
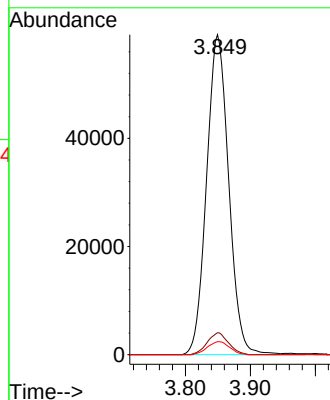
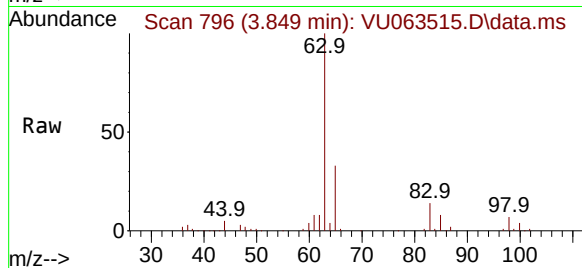
ClientSampleId :

VSTDICCC010

Tgt Ion:	63	Resp:	13998
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 49.509 ug/l

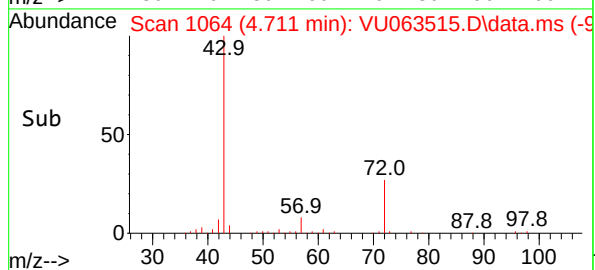
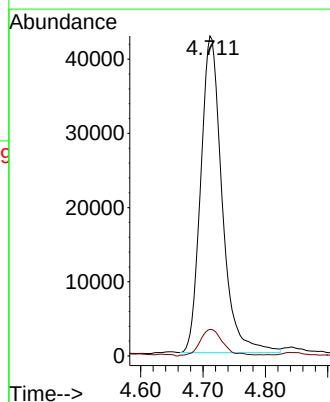
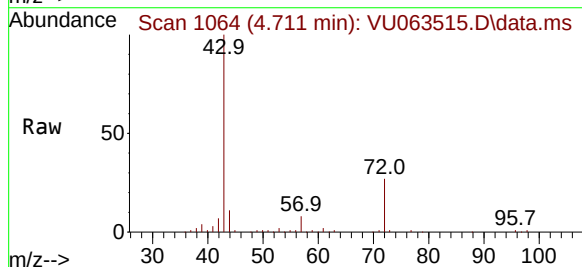
RT: 4.711 min Scan# 1064

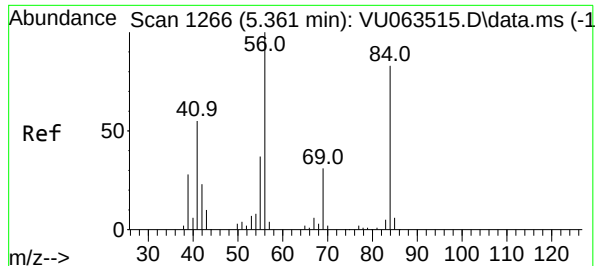
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:	43	Resp:	101743
Ion Ratio	Lower	Upper	
43	100		
57	8.2	0.0	16.4





#19

Cyclohexane

Concen: 9.980 ug/l

RT: 5.361 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 56 Resp: 117794

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

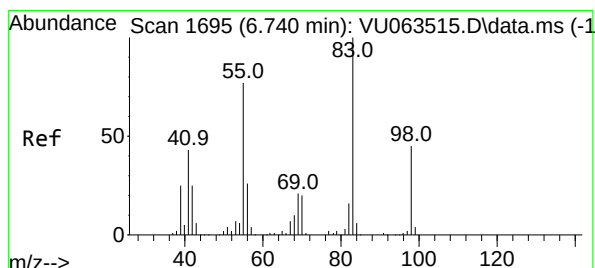
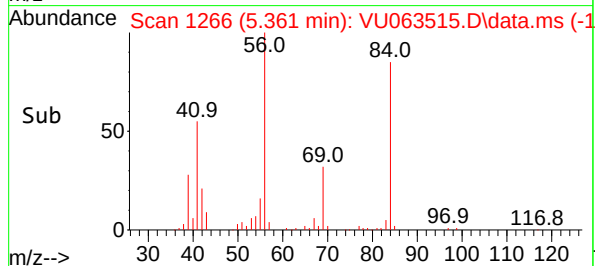
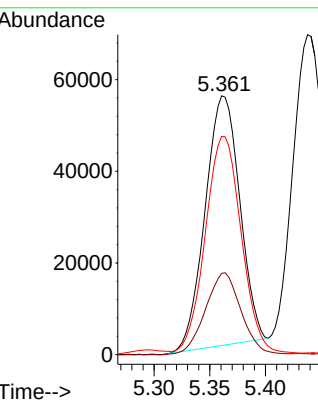
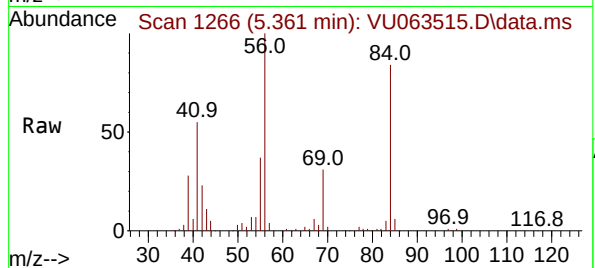
84 88.7 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 10.893 ug/l

RT: 6.740 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

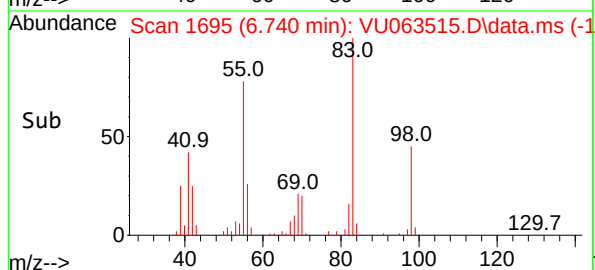
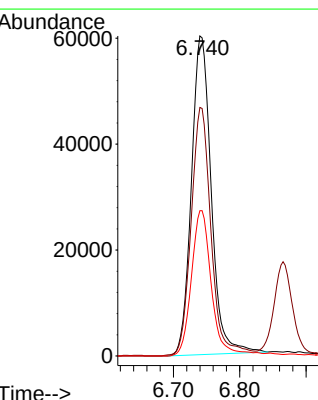
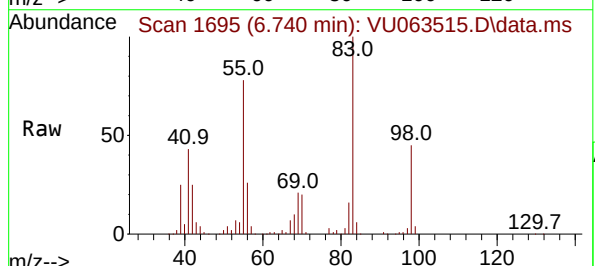
Tgt Ion: 83 Resp: 124959

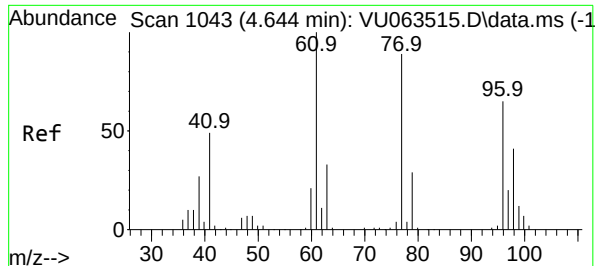
Ion Ratio Lower Upper

83 100

55 75.7 60.6 90.8

98 44.8 35.8 53.8





#21

2,2-Dichloropropane

Concen: 9.757 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 77 Resp: 115814

Ion Ratio Lower Upper

77 100

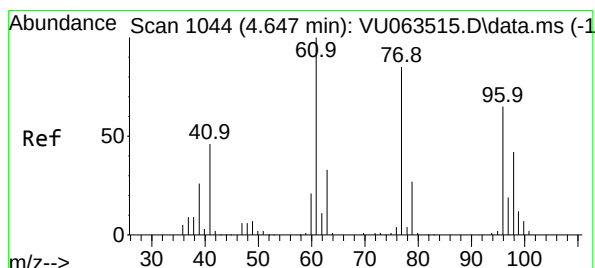
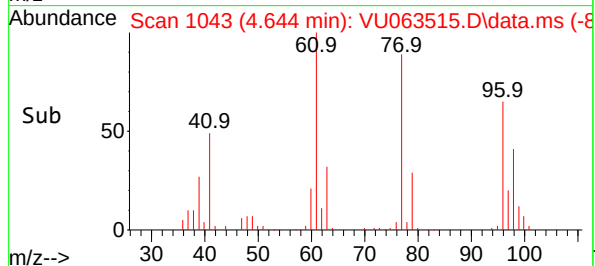
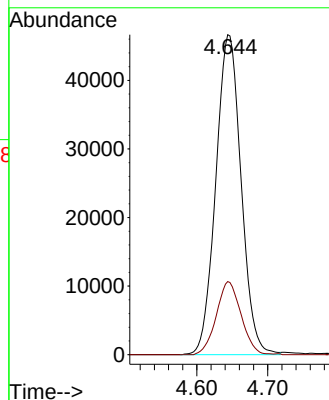
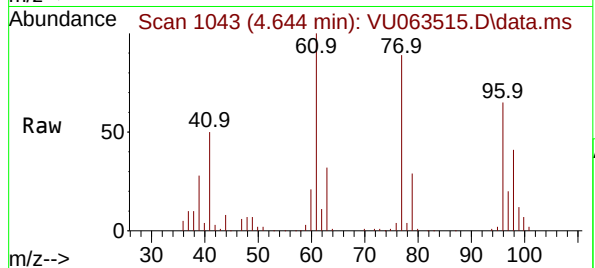
97 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 10.012 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

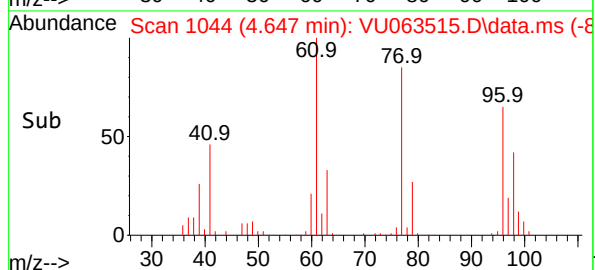
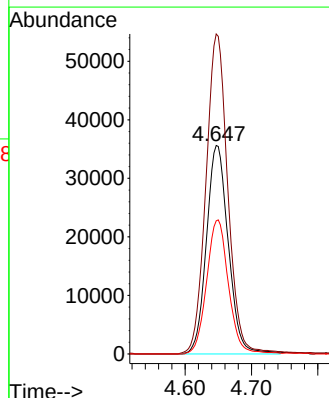
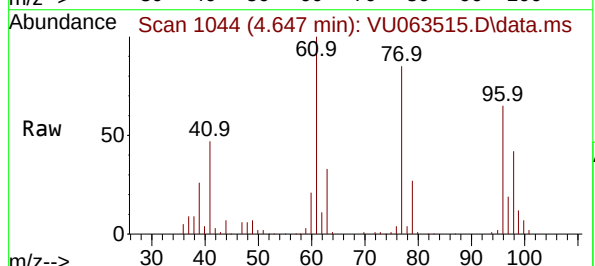
Tgt Ion: 96 Resp: 81707

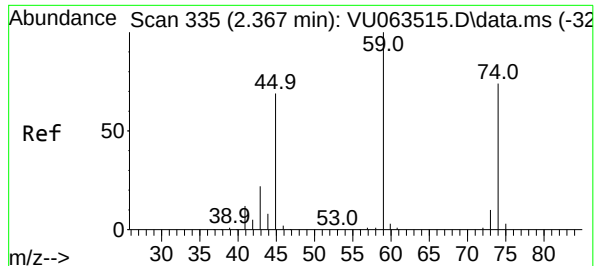
Ion Ratio Lower Upper

96 100

61 153.9 0.0 384.7

98 64.2 32.1 96.3





#23

Diethyl Ether

Concen: 10.428 ug/l

RT: 2.367 min Scan# 335

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

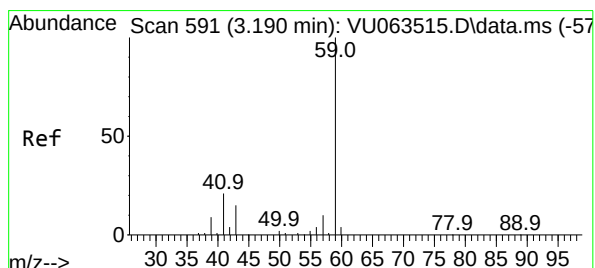
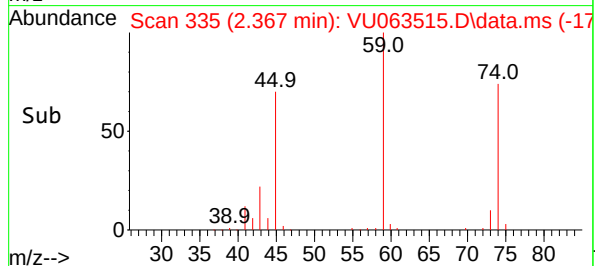
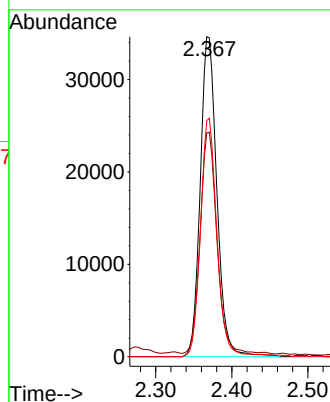
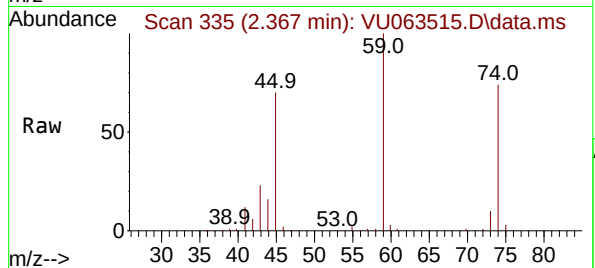
ClientSampleId :

VSTDICCC010

Tgt Ion:	59	Resp:	52619
Ion	Ratio	Lower	Upper
59	100		
45	68.9	55.1	82.7
74	72.8	58.2	87.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 100.062 ug/l

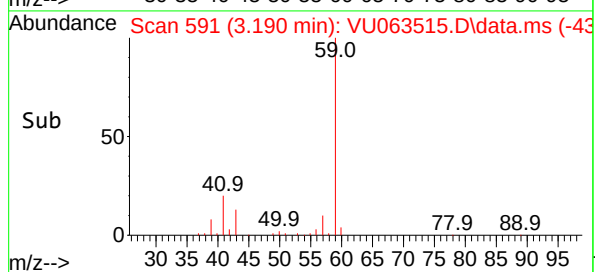
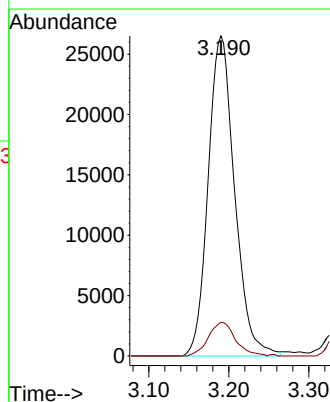
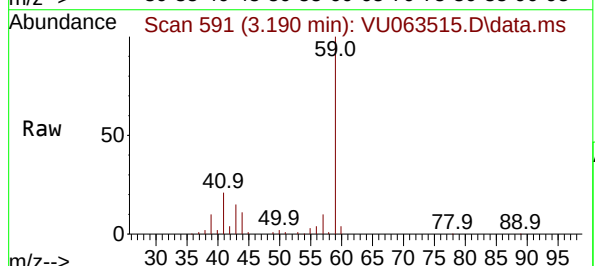
RT: 3.190 min Scan# 591

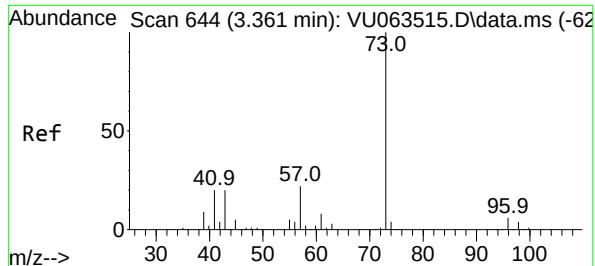
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:	59	Resp:	60952
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8





#25

Methyl tert-Butyl Ether

Concen: 10.218 ug/l

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 73 Resp: 17664

Ion Ratio Lower Upper

73 100

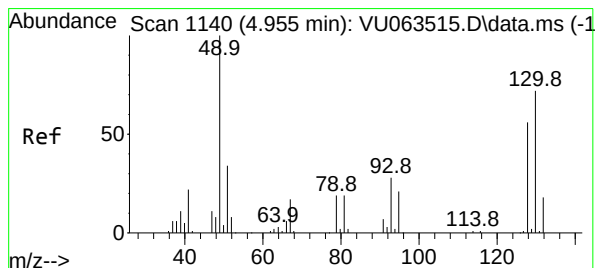
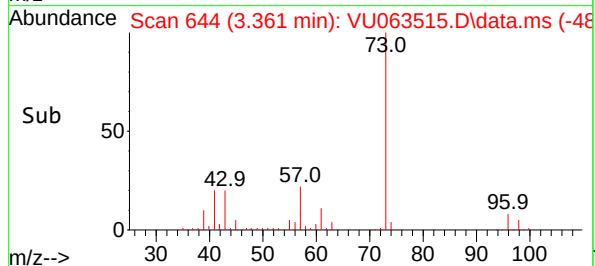
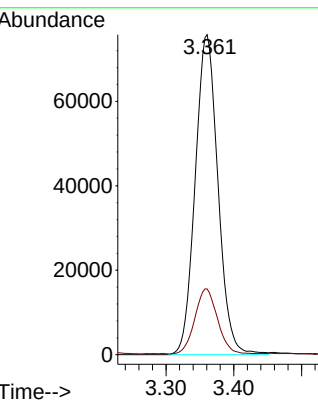
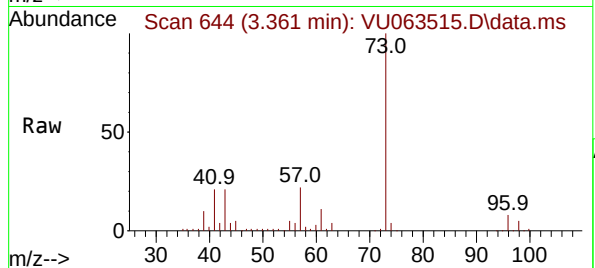
43 20.2 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 10.293 ug/l

RT: 4.955 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

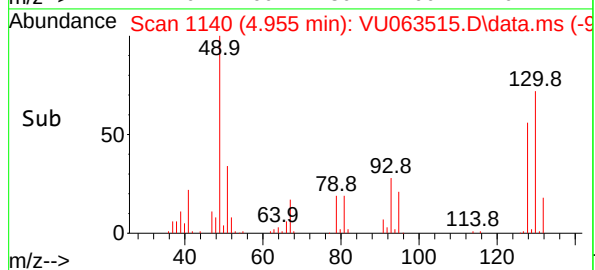
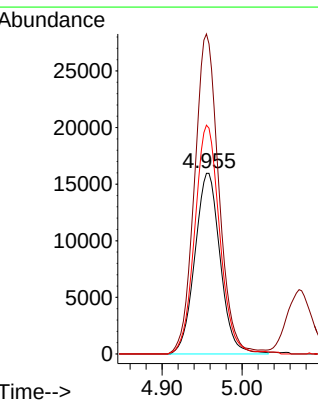
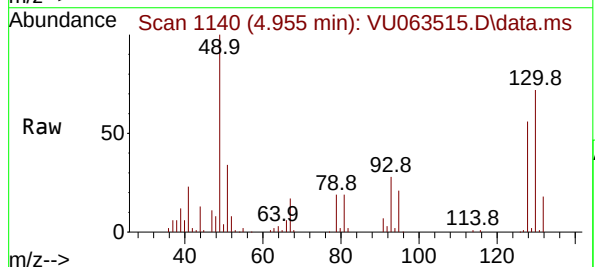
Tgt Ion:128 Resp: 35072

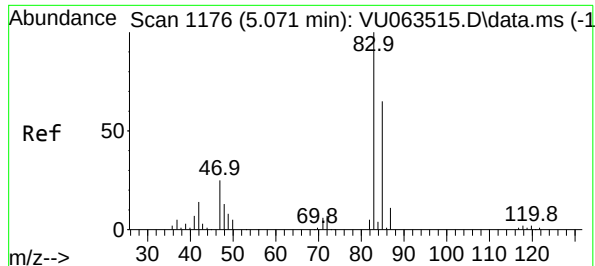
Ion Ratio Lower Upper

128 100

49 170.4 0.0 340.8

130 125.6 100.5 150.7





#27

Chloroform

Concen: 9.805 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 139474

Ion Ratio Lower Upper

83 100

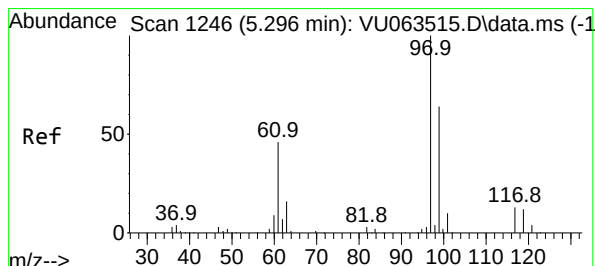
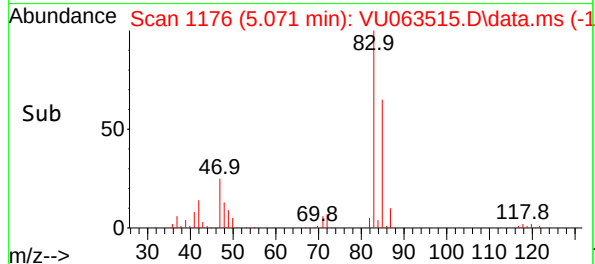
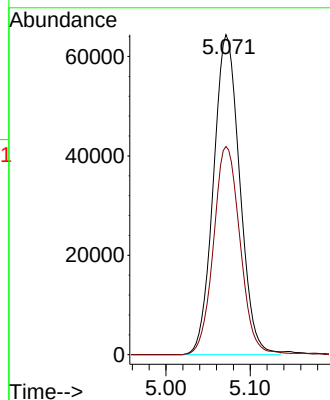
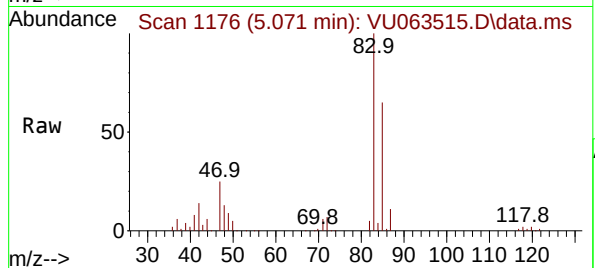
85 65.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 10.174 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

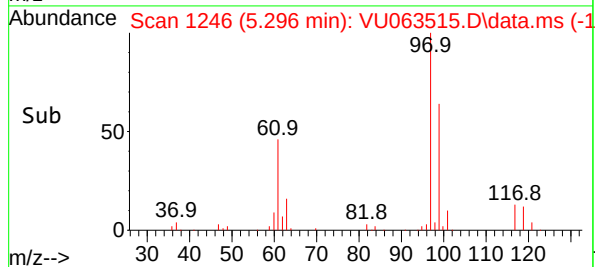
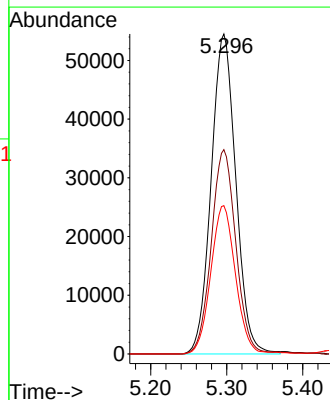
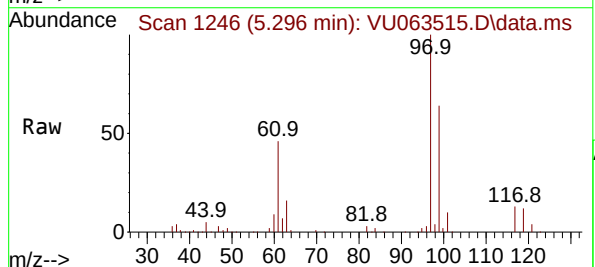
Tgt Ion: 97 Resp: 122824

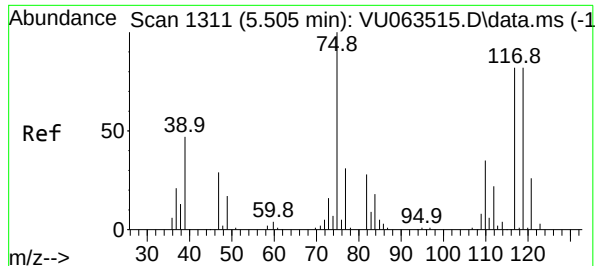
Ion Ratio Lower Upper

97 100

99 63.5 31.8 95.3

61 46.6 23.3 69.9





#29

1,1-Dichloropropene

Concen: 9.894 ug/l

RT: 5.505 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 110654

Ion Ratio Lower Upper

75 100

110 35.6 17.8 53.4

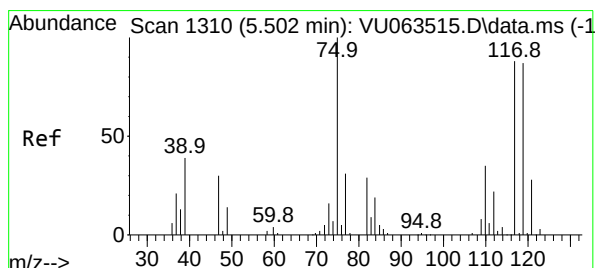
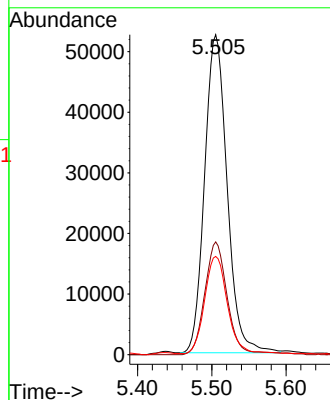
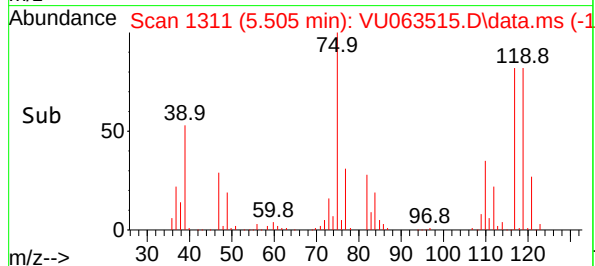
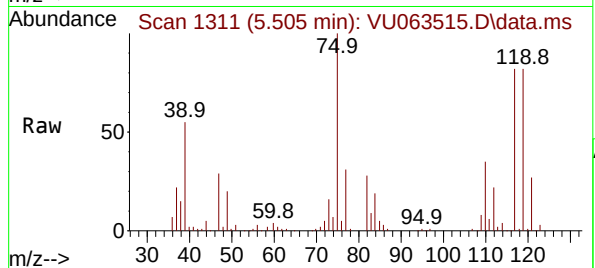
77 30.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 10.277 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

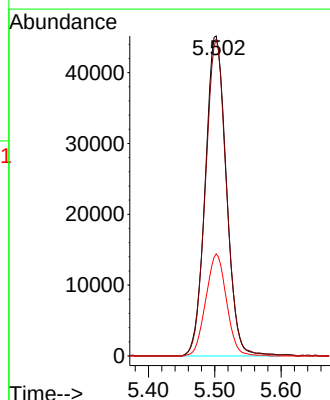
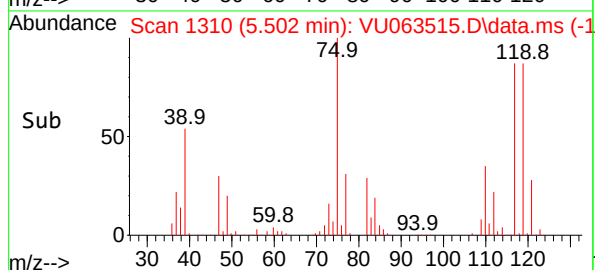
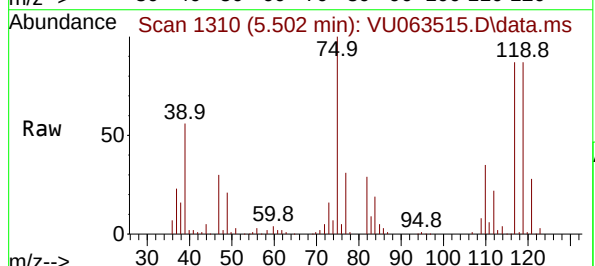
Tgt Ion:117 Resp: 99861

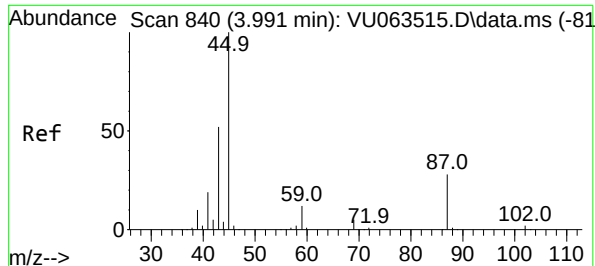
Ion Ratio Lower Upper

117 100

119 99.0 79.2 118.8

121 31.9 25.5 38.3





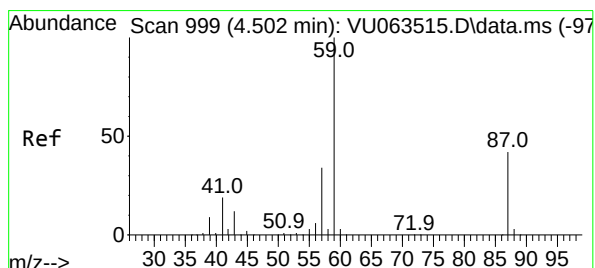
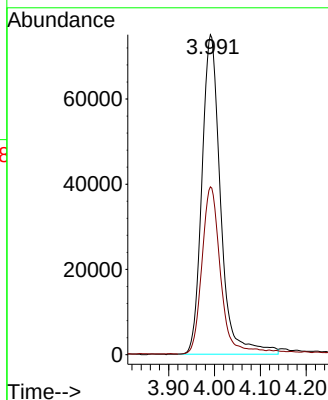
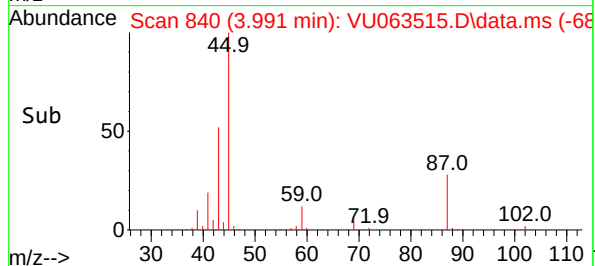
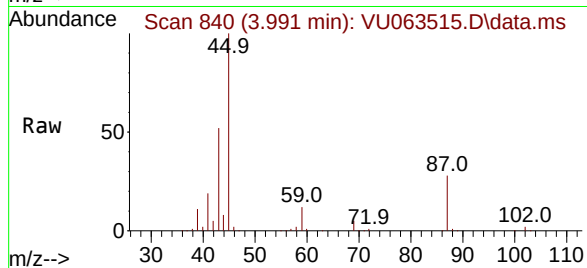
#31
Isopropyl Ether
Concen: 10.078 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 21206
Ion Ratio Lower Upper
45 100
43 51.3 25.7 77.0

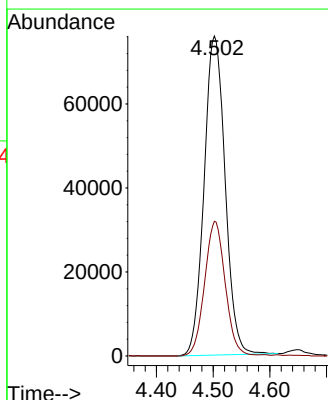
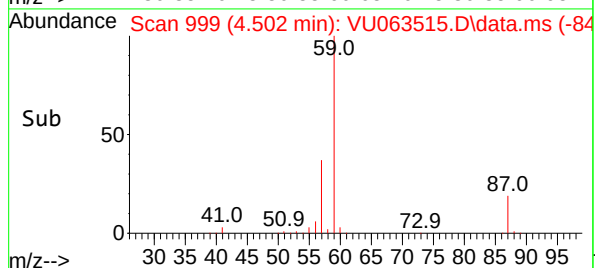
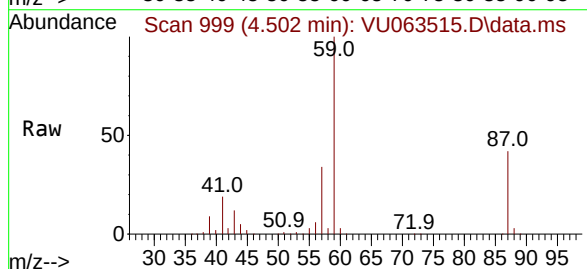
Manual Integrations
APPROVED

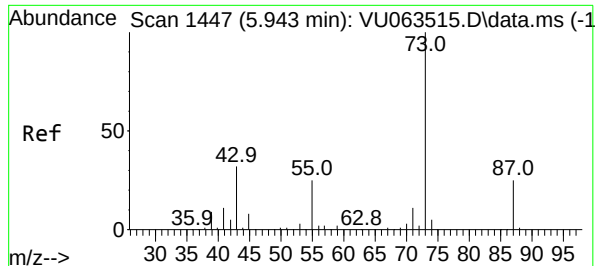
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 10.077 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 59 Resp: 196224
Ion Ratio Lower Upper
59 100
87 40.8 32.6 49.0





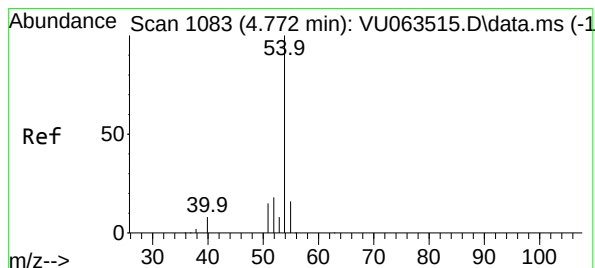
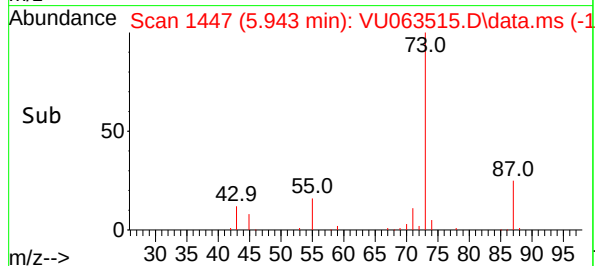
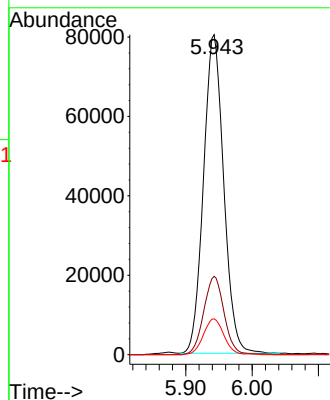
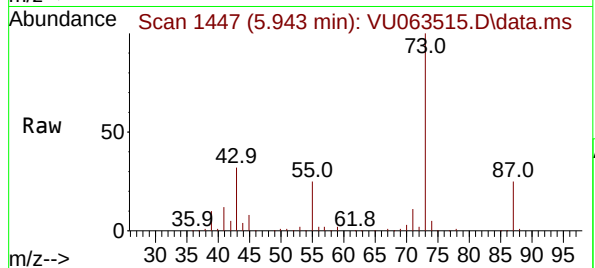
#33
Tert-Amyl methyl ether
Concen: 10.045 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 73 Resp: 16975
Ion Ratio Lower Upper
73 100
87 24.3 19.4 29.2
71 11.1 8.9 13.3

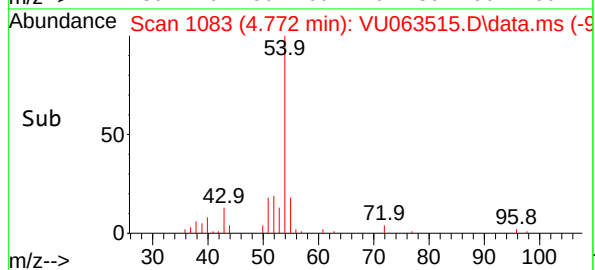
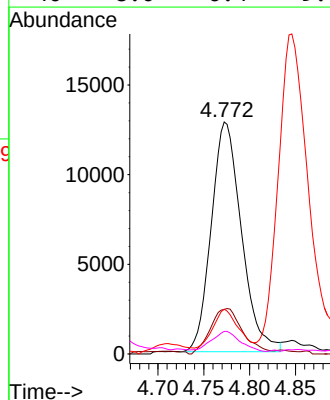
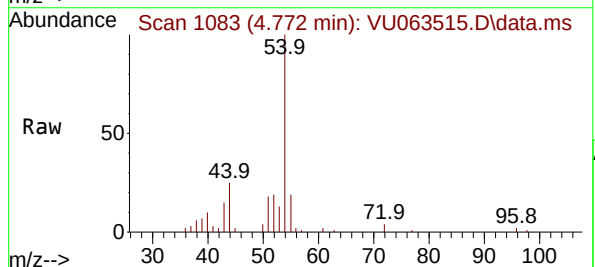
Manual Integrations
APPROVED

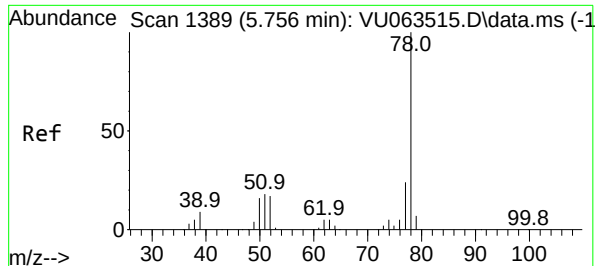
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34
Propionitrile
Concen: 46.949 ug/l
RT: 4.772 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 54 Resp: 29396
Ion Ratio Lower Upper
54 100
52 21.2 17.0 25.4
55 17.0 13.6 20.4
40 8.0 6.4 9.6





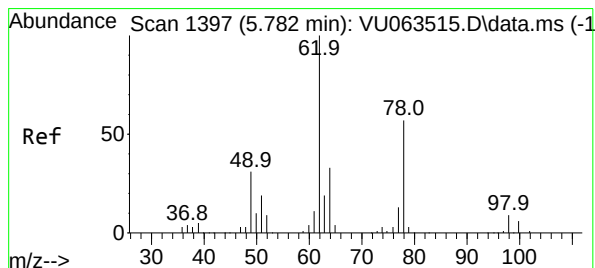
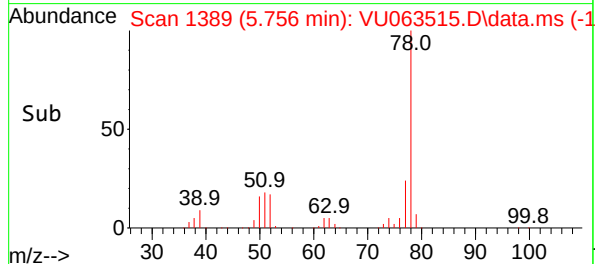
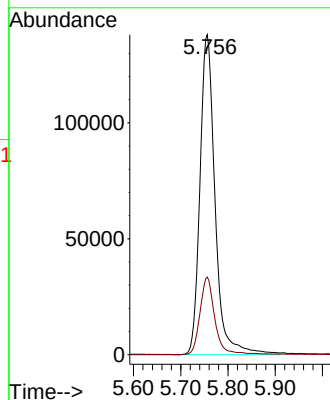
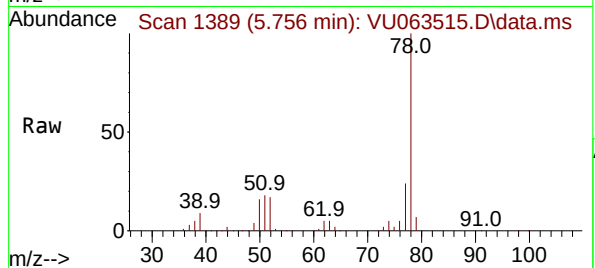
#35
Benzene
Concen: 10.205 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 78 Resp: 306660
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

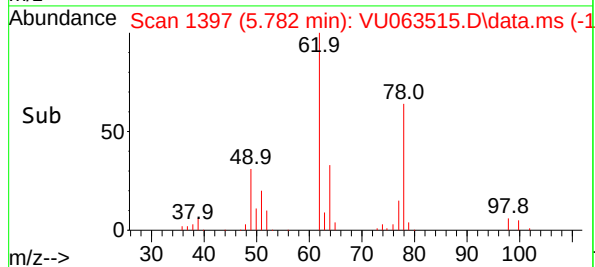
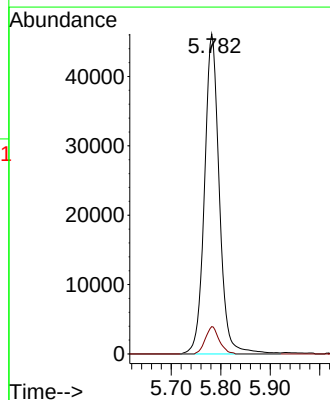
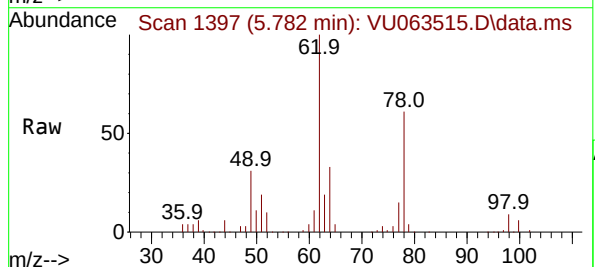
Manual Integrations
APPROVED

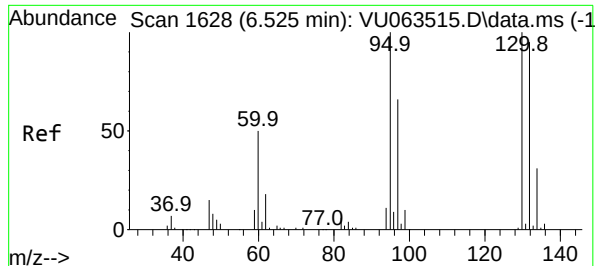
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 10.281 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 62 Resp: 95989
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#37

Trichloroethene

Concen: 10.731 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:130 Resp: 82269

Ion Ratio Lower Upper

130 100

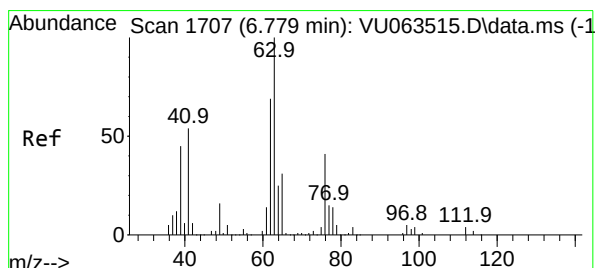
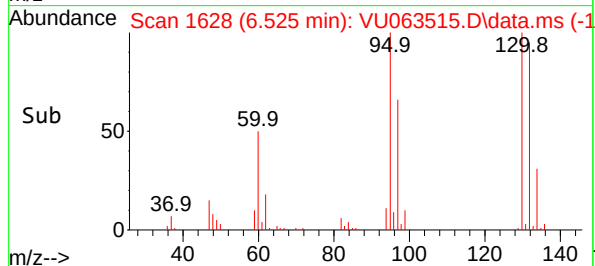
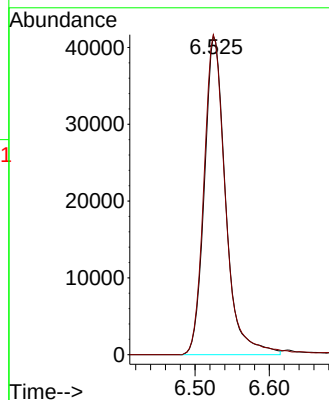
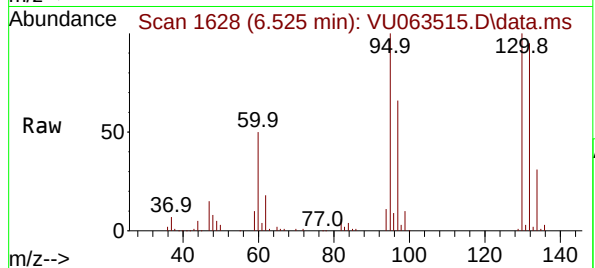
95 100.4 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 11.439 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063515.D

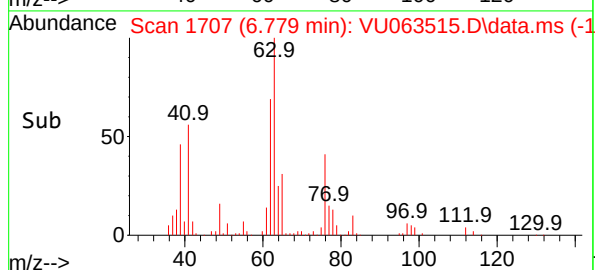
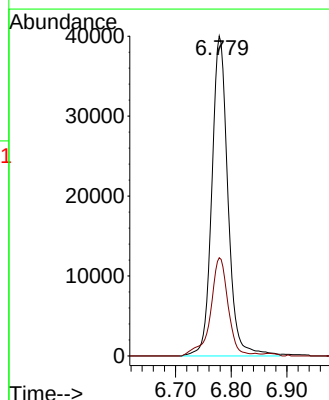
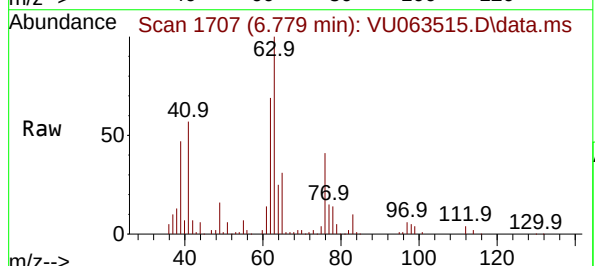
Acq: 16 Jul 2025 11:37

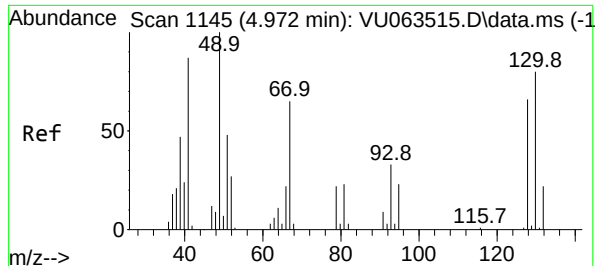
Tgt Ion: 63 Resp: 80452

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8





#39

Methacrylonitrile

Concen: 9.408 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 2585

Ion Ratio Lower Upper

41 100

67 78.4 62.7 94.1

39 53.9 43.1 64.7

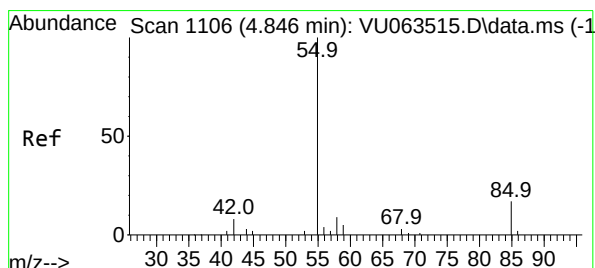
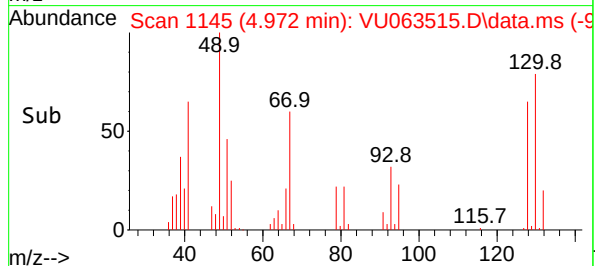
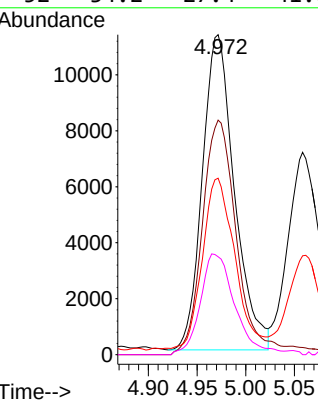
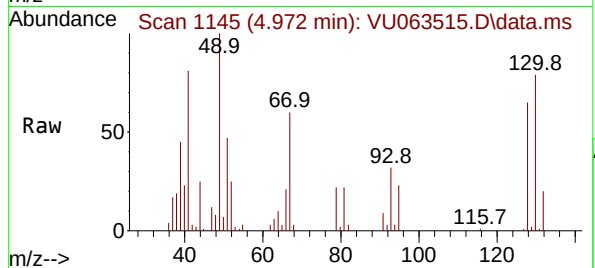
52 34.2 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 10.557 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 55 Resp: 42948

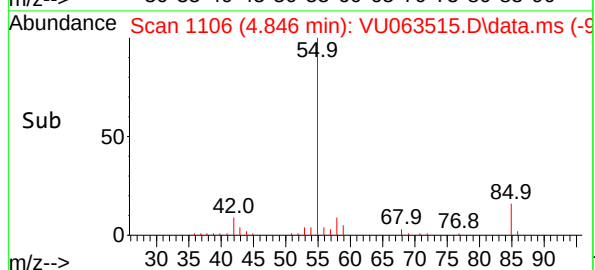
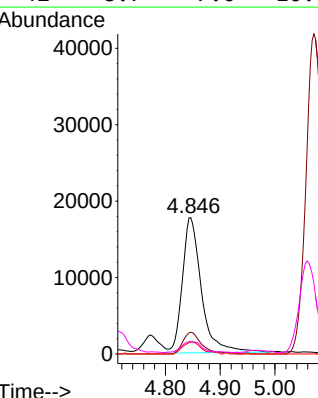
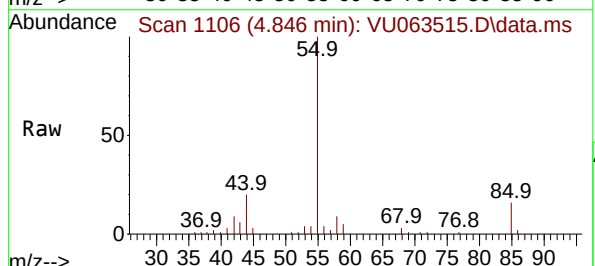
Ion Ratio Lower Upper

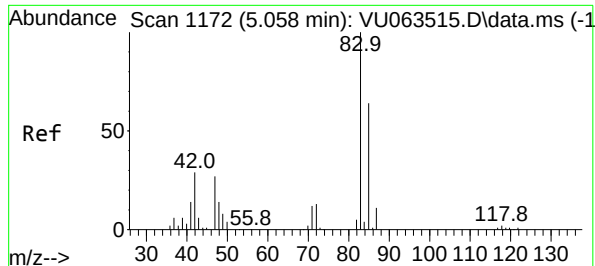
55 100

85 16.0 12.8 19.2

58 8.7 7.0 10.4

42 8.7 7.0 10.4





#41

Tetrahydrofuran

Concen: 18.218 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

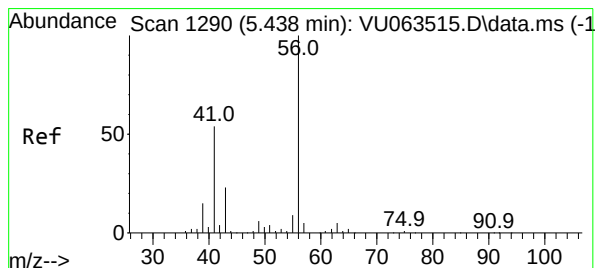
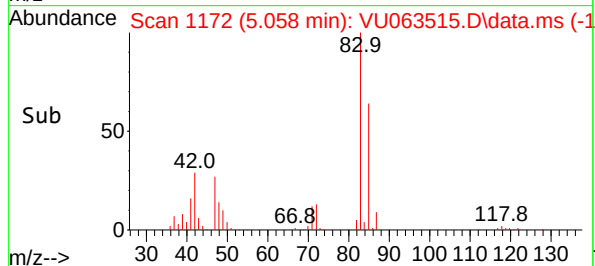
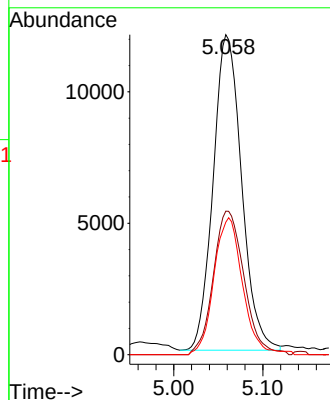
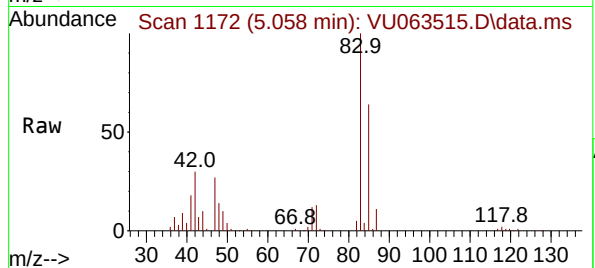
ClientSampleId :

VSTDICCC010

Tgt Ion:	42	Resp:	2667
Ion Ratio	Lower	Upper	
42	100		
72	49.0	39.2	58.8
71	43.5	34.8	52.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 10.139 ug/l

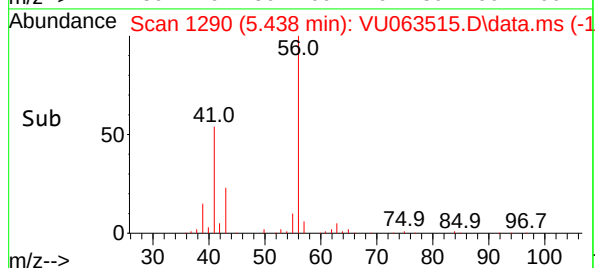
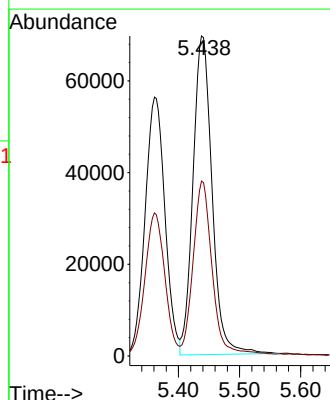
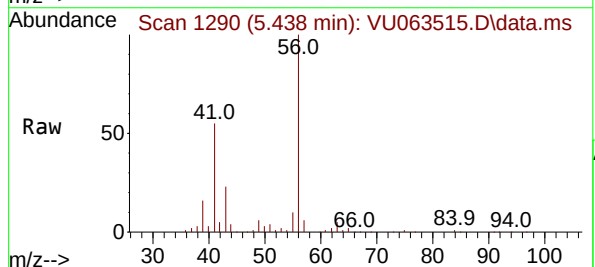
RT: 5.438 min Scan# 1290

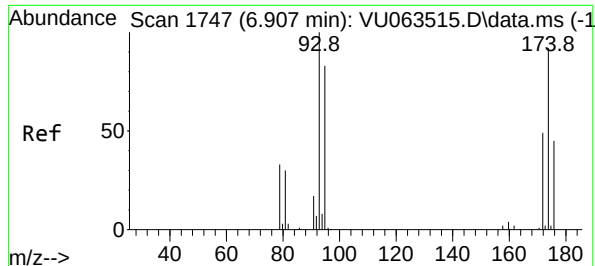
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:	56	Resp:	150746
Ion Ratio	Lower	Upper	
56	100		
41	53.3	26.7	80.0





#43

Dibromomethane

Concen: 10.765 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 93 Resp: 39219

Ion Ratio Lower Upper

93 100

95 84.9 67.9 101.9

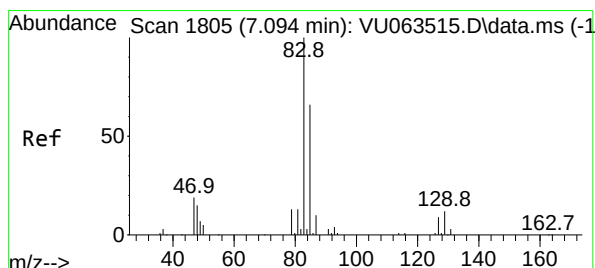
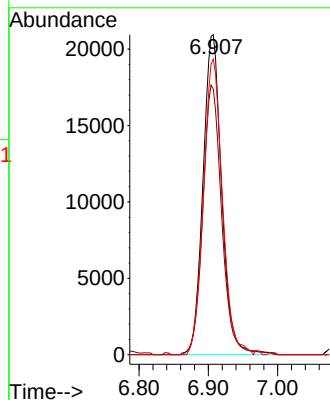
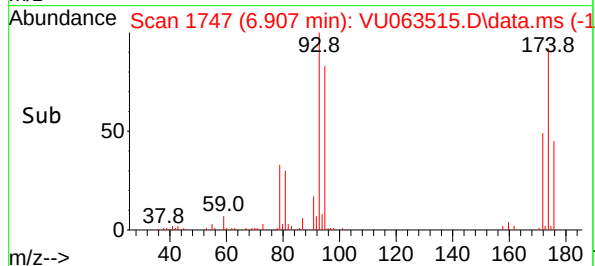
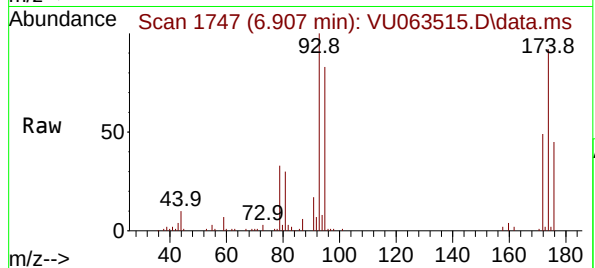
174 93.2 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 10.173 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

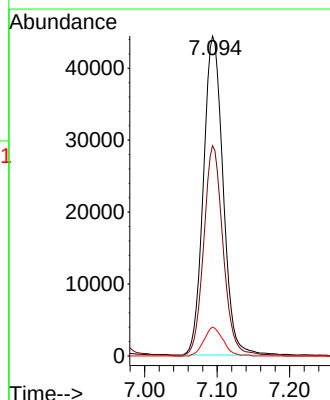
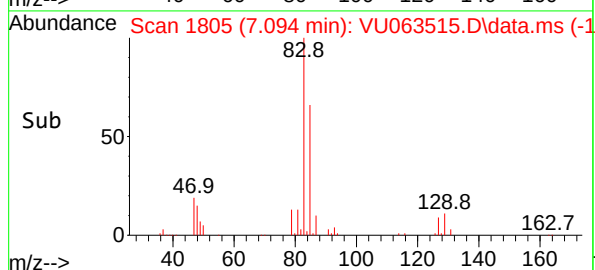
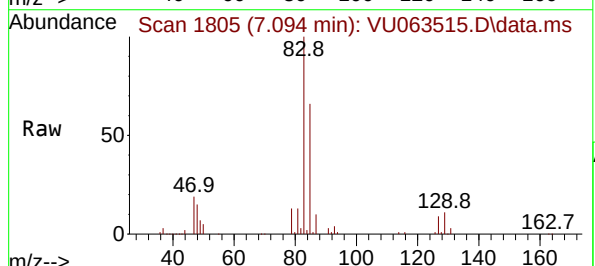
Tgt Ion: 83 Resp: 83585

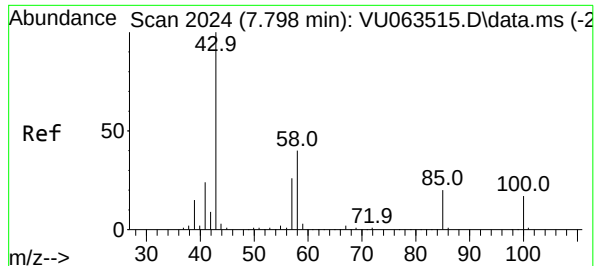
Ion Ratio Lower Upper

83 100

85 65.9 52.7 79.1

127 10.1 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 51.766 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 19437

Ion Ratio Lower Upper

43 100

58 40.0 20.0 60.0

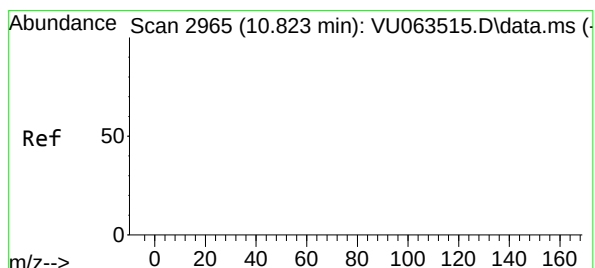
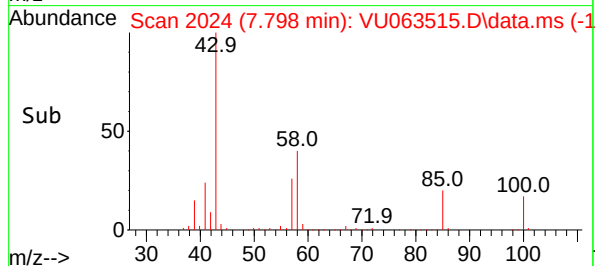
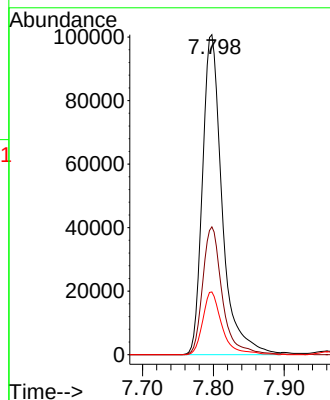
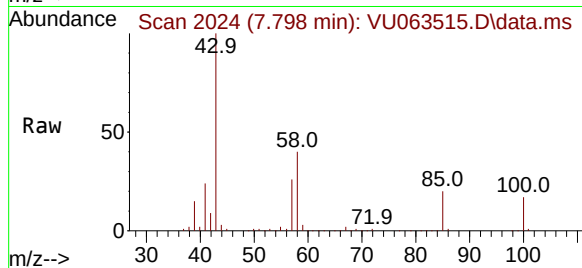
85 19.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 24.076 ug/l m

RT: 10.820 min Scan# 2964

Delta R.T. -0.003 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 75 Resp: 32073

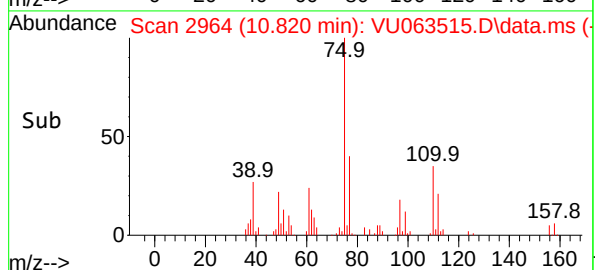
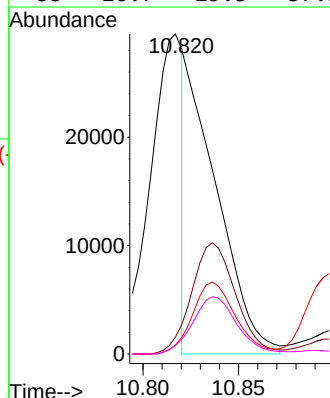
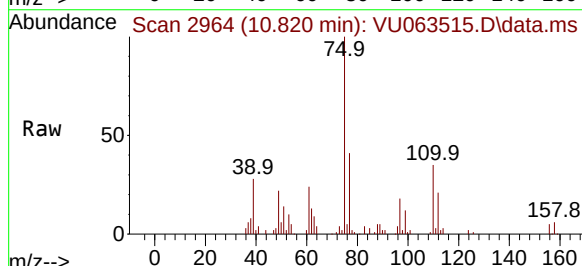
Ion Ratio Lower Upper

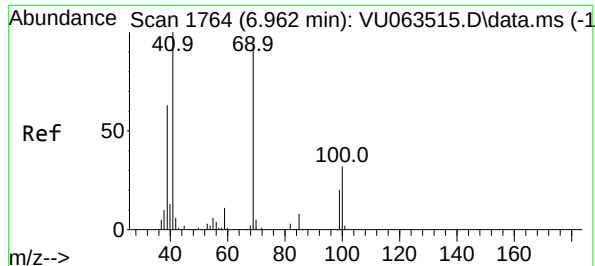
75 100

53 51.1 48.4 72.6

89 32.3 30.6 45.8

88 26.7 25.3 37.9





#47

Methyl methacrylate

Concen: 21.203 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 69 Resp: 6487

Ion Ratio Lower Upper

69 100

41 112.0 0.0 224.0

39 69.1 55.3 82.9

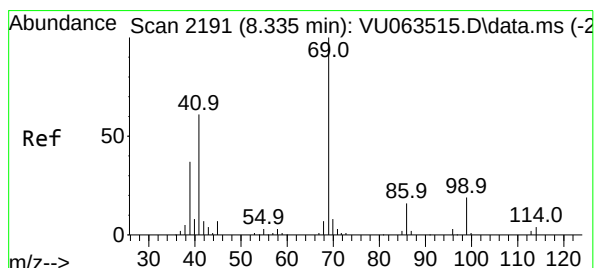
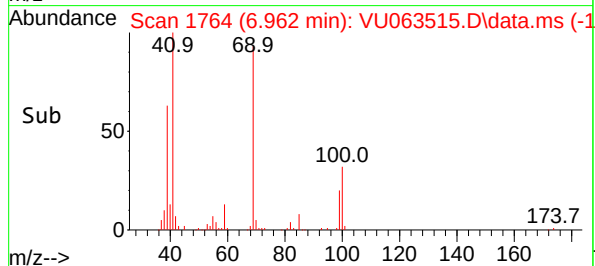
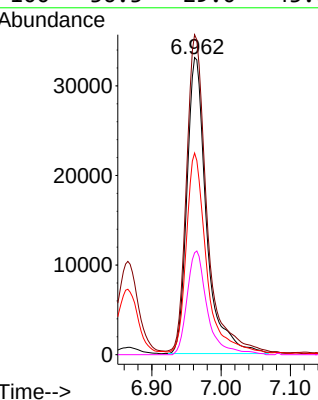
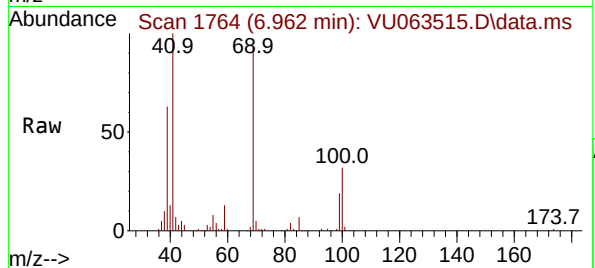
100 36.3 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 11.020 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063515.D

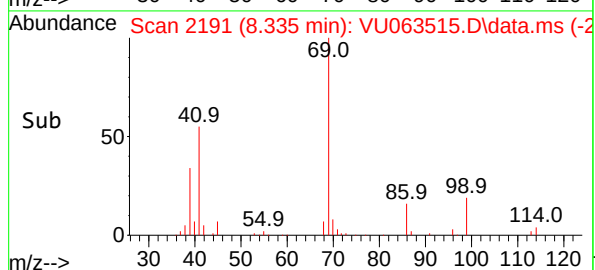
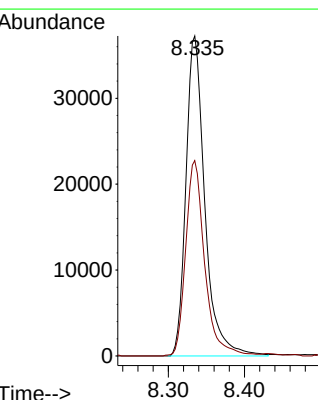
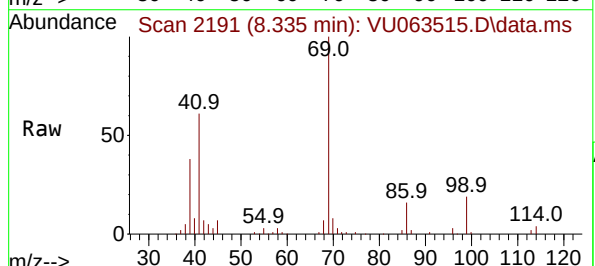
Acq: 16 Jul 2025 11:37

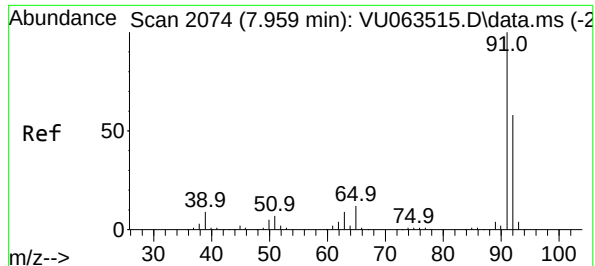
Tgt Ion: 69 Resp: 64347

Ion Ratio Lower Upper

69 100

41 61.6 30.8 92.4





#49

Toluene

Concen: 10.432 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 92 Resp: 171140

Ion Ratio Lower Upper

92 100

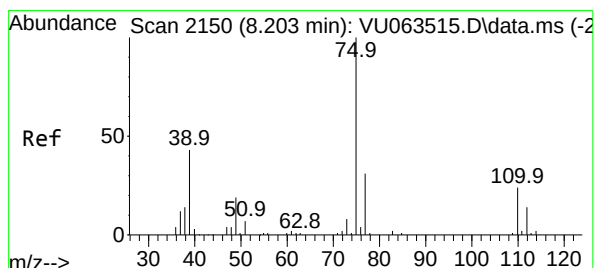
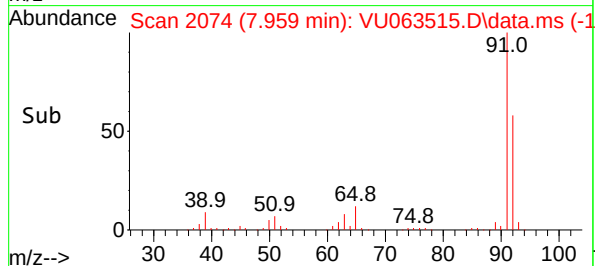
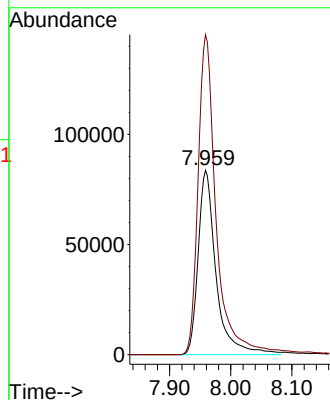
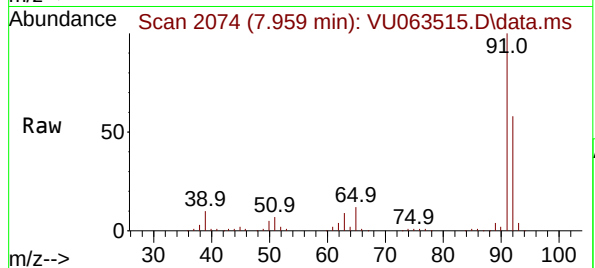
91 175.5 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 11.292 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063515.D

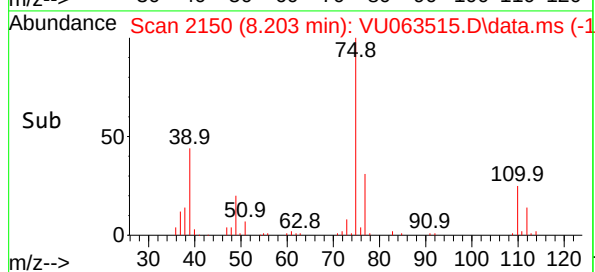
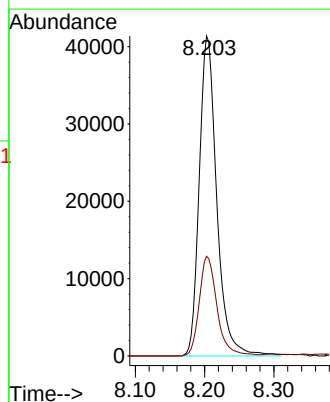
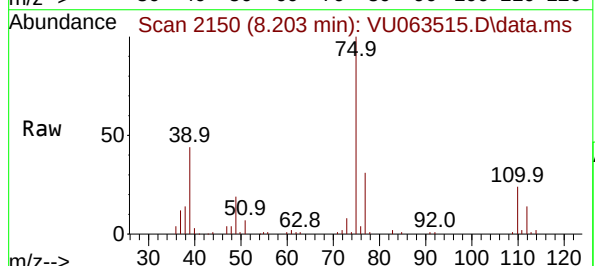
Acq: 16 Jul 2025 11:37

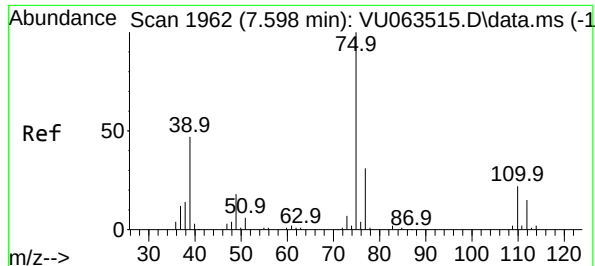
Tgt Ion: 75 Resp: 72787

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 10.668 ug/l

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 9230

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

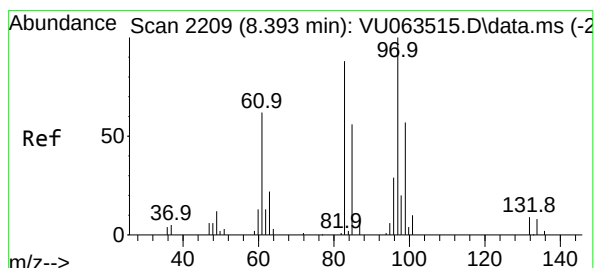
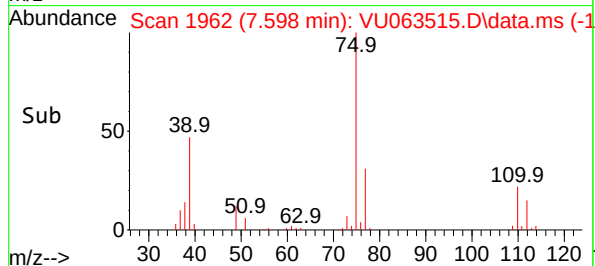
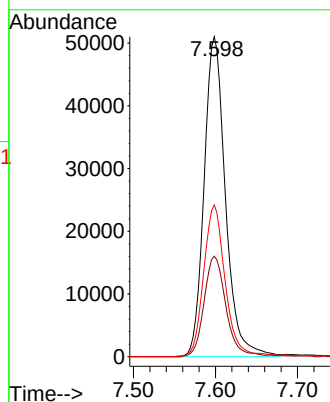
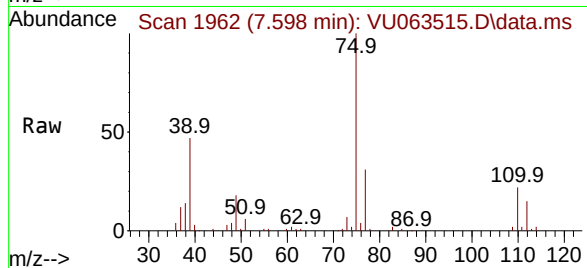
39 47.2 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 10.510 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 97 Resp: 51547

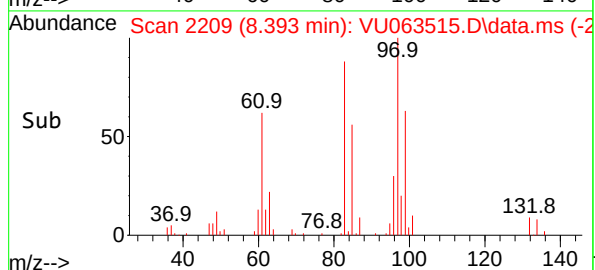
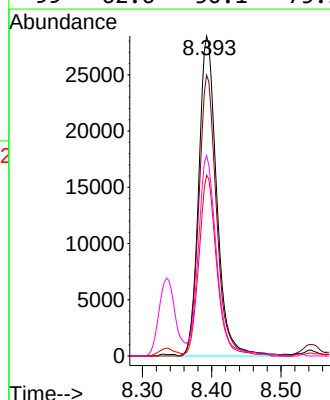
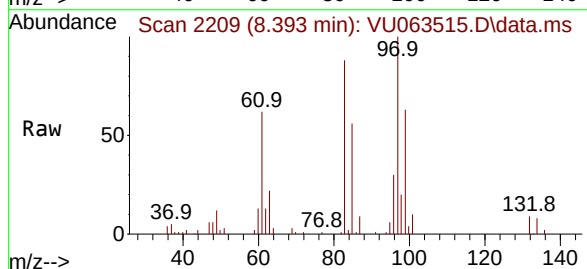
Ion Ratio Lower Upper

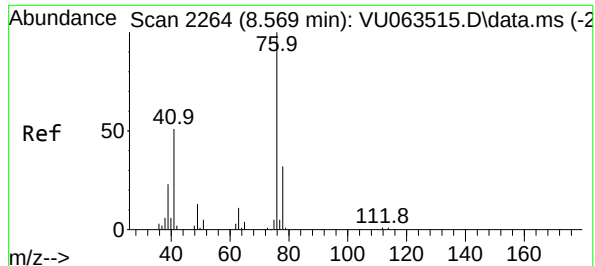
97 100

83 87.7 70.2 105.2

85 56.5 45.2 67.8

99 62.6 50.1 75.1





#53

1,3-Dichloropropane

Concen: 10.355 ug/l

RT: 8.569 min Scan# 2264

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 8768

Ion Ratio Lower Upper

76 100

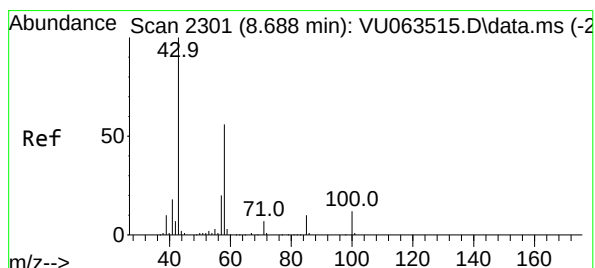
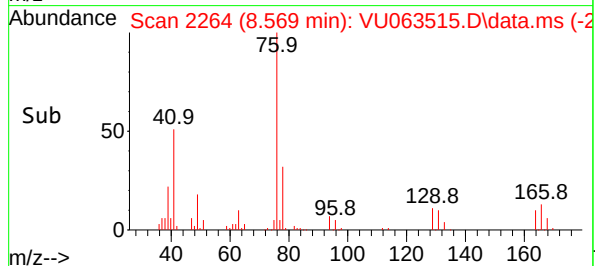
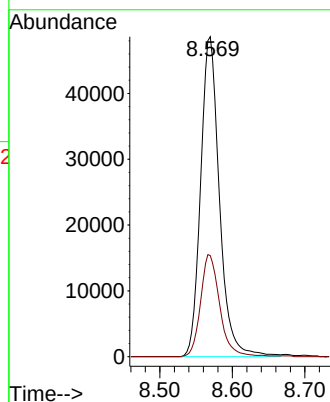
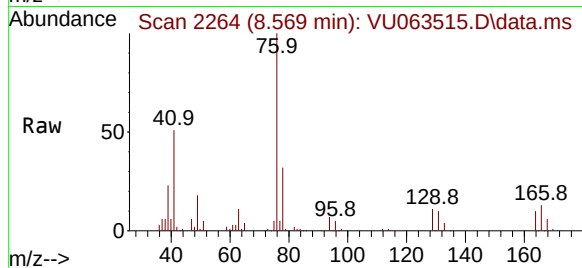
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 52.658 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

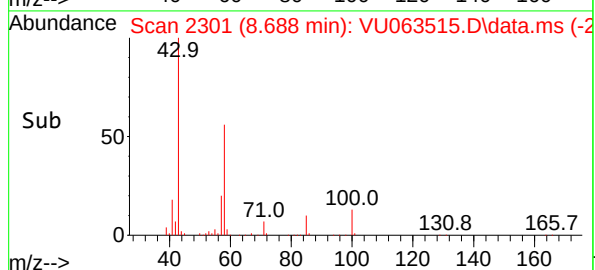
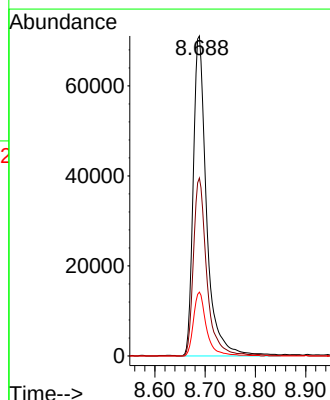
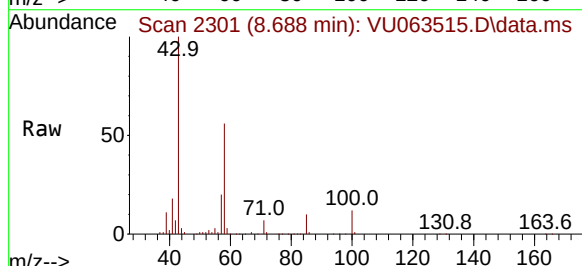
Tgt Ion: 43 Resp: 131332

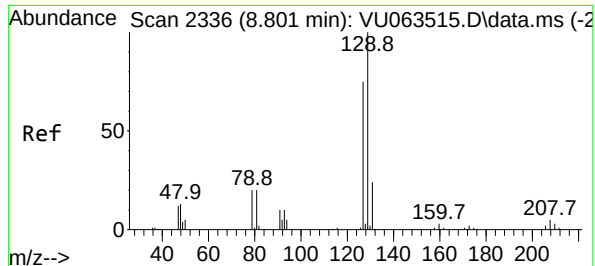
Ion Ratio Lower Upper

43 100

58 54.8 34.8 74.8

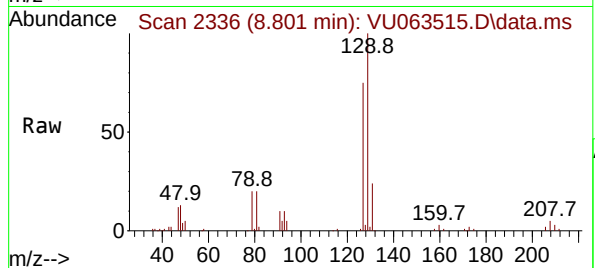
57 19.5 0.0 39.5





#55
Dibromochloromethane
Concen: 11.401 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

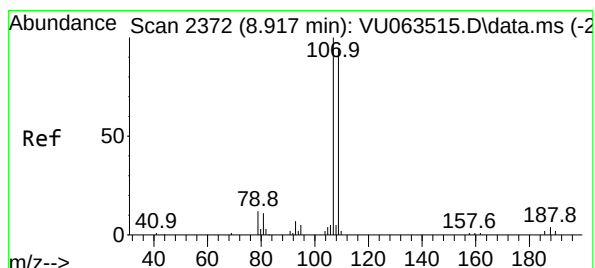
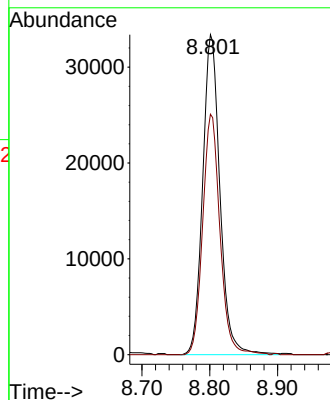
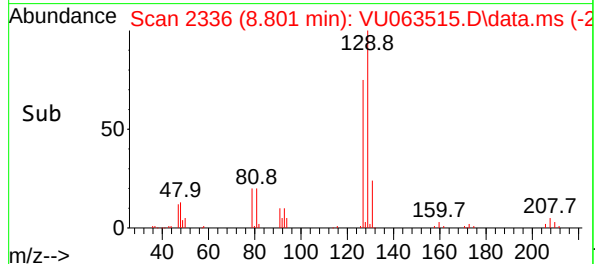
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:129 Resp: 5908
Ion Ratio Lower Upper
129 100
127 75.1 60.1 90.1

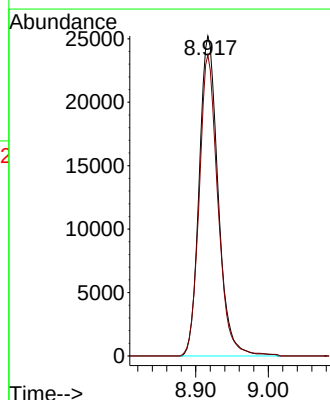
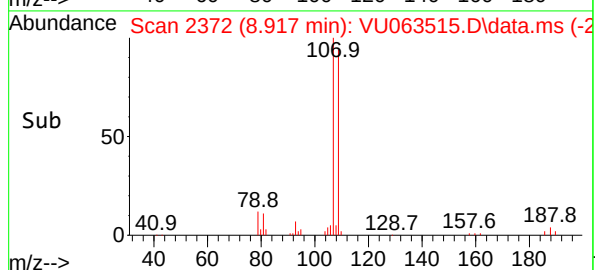
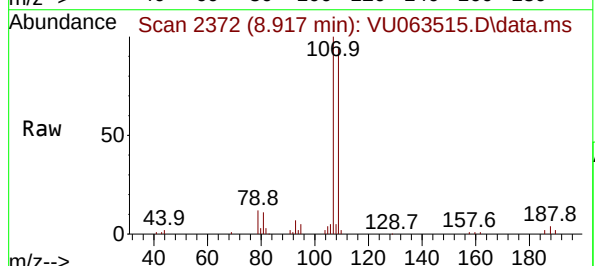
Manual Integrations
APPROVED

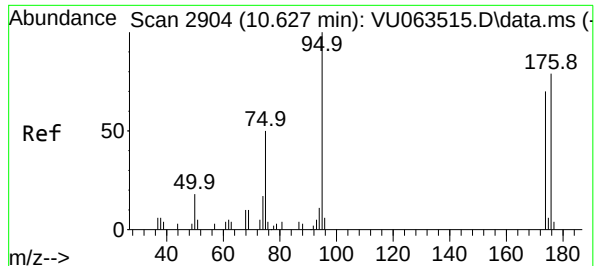
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#56
1,2-Dibromoethane
Concen: 10.388 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:107 Resp: 45601
Ion Ratio Lower Upper
107 100
109 93.2 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.975 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063515.D

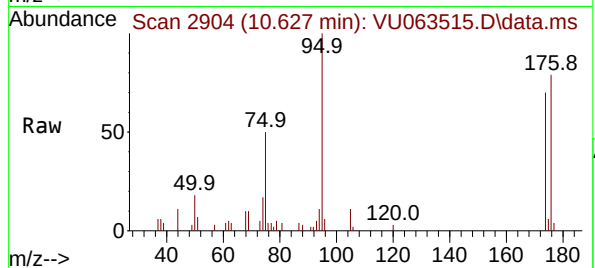
Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010



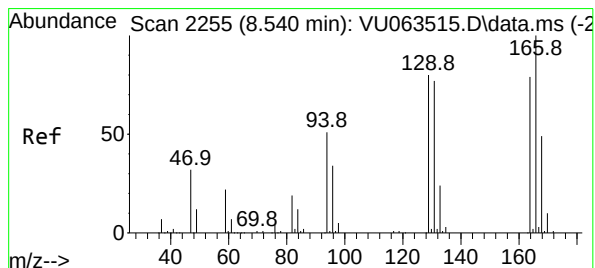
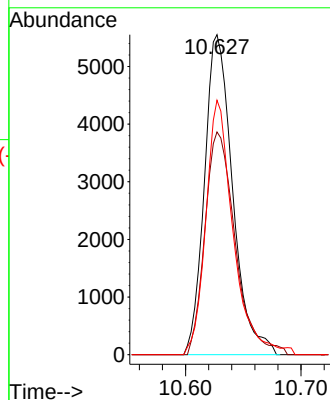
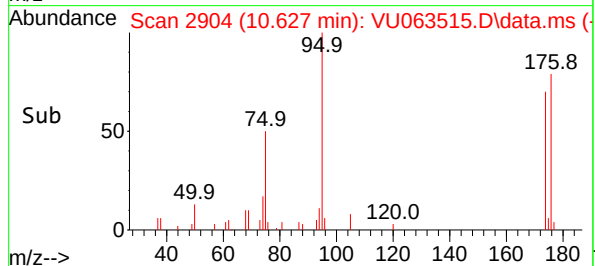
Tgt Ion:	95	Resp:	9419
Ion	Ratio	Lower	Upper
95	100		
174	74.8	59.8	89.8
176	77.3	61.8	92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

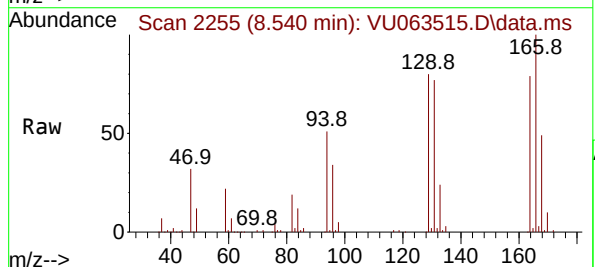
Concen: 10.376 ug/l

RT: 8.540 min Scan# 2255

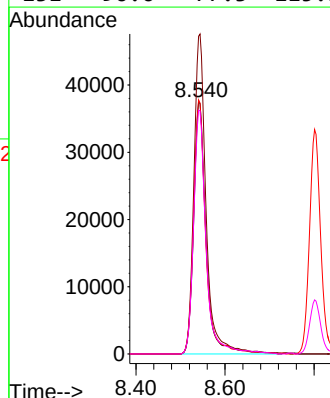
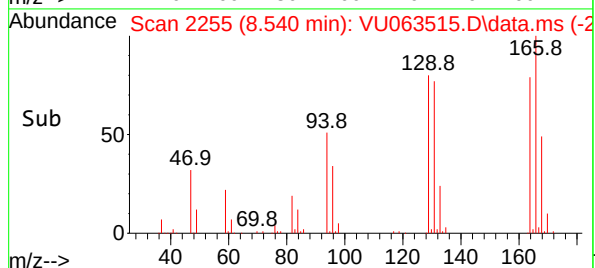
Delta R.T. 0.000 min

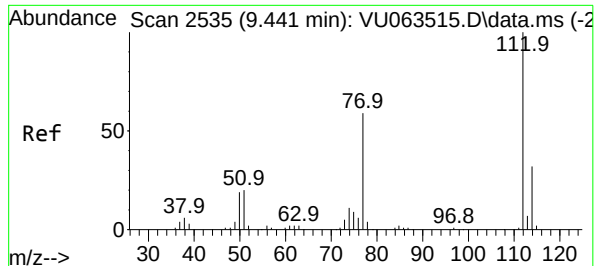
Lab File: VU063515.D

Acq: 16 Jul 2025 11:37



Tgt Ion:	164	Resp:	72806
Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.7	151.1
129	100.7	80.6	120.8
131	96.6	77.3	115.9





#59

Chlorobenzene

Concen: 10.443 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:112 Resp: 196780

Ion Ratio Lower Upper

112 100

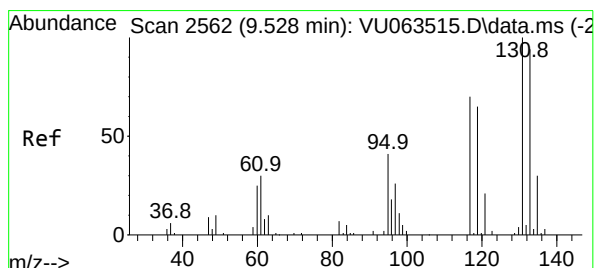
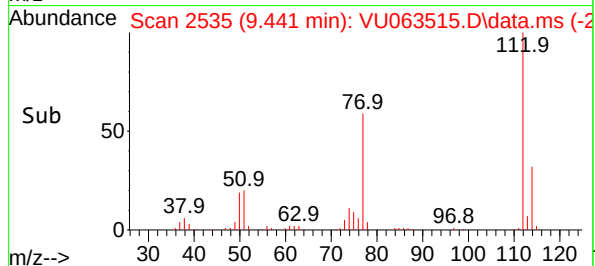
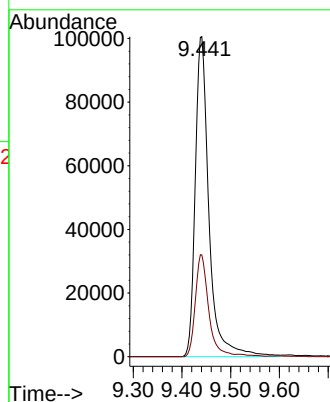
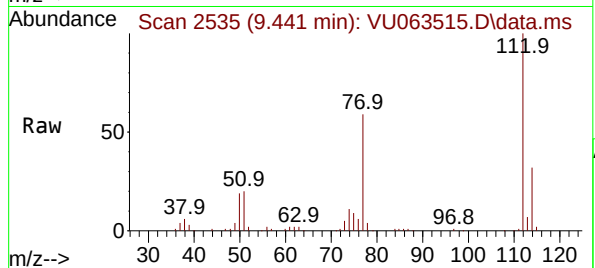
114 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.702 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

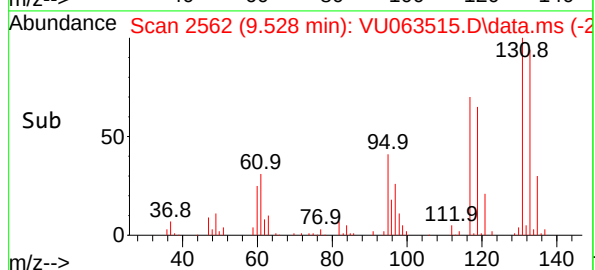
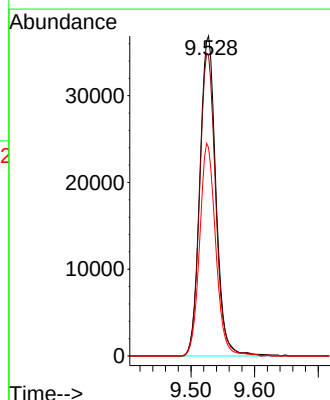
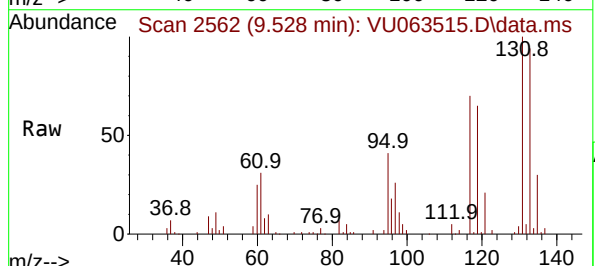
Tgt Ion:131 Resp: 64850

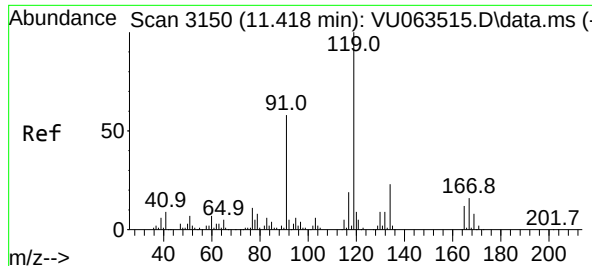
Ion Ratio Lower Upper

131 100

133 93.4 74.7 112.1

119 66.2 53.0 79.4





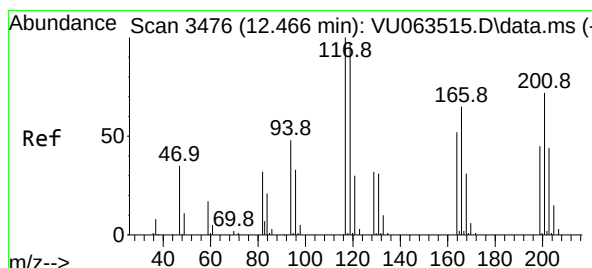
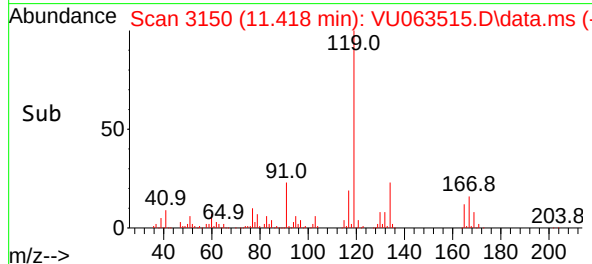
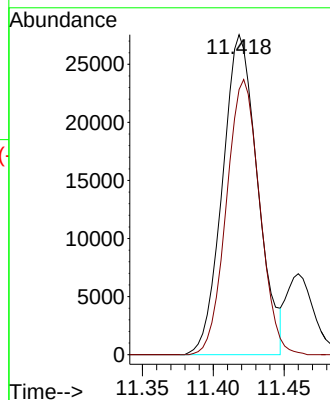
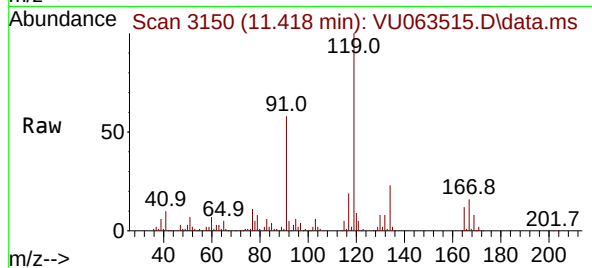
#61
Pentachloroethane
Concen: 11.097 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 47510
Ion Ratio Lower Upper
117 100
167 81.3 65.0 97.6

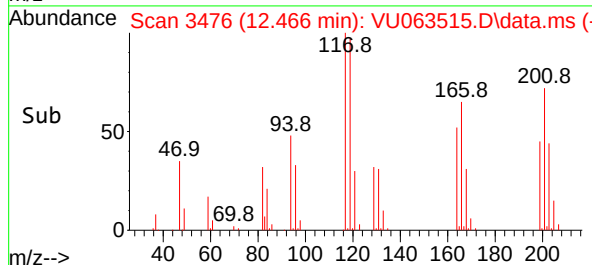
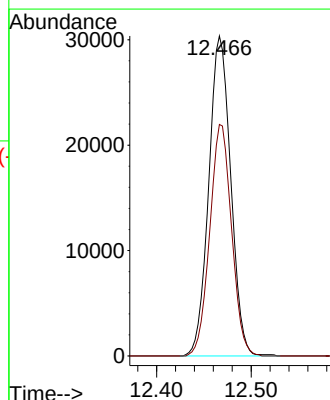
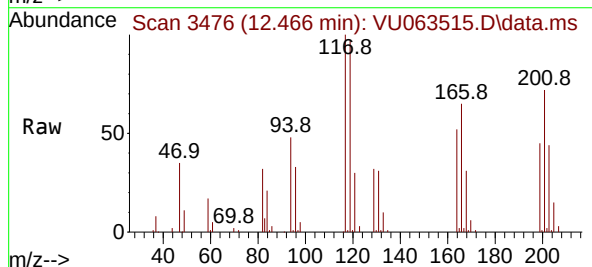
Manual Integrations
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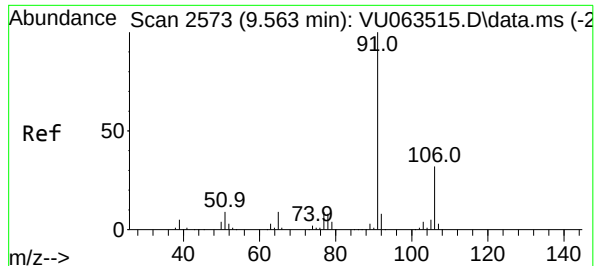
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 11.561 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:117 Resp: 49020
Ion Ratio Lower Upper
117 100
201 71.7 57.4 86.0





#63

Ethyl Benzene

Concen: 10.340 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 335269

Ion Ratio Lower Upper

91 100

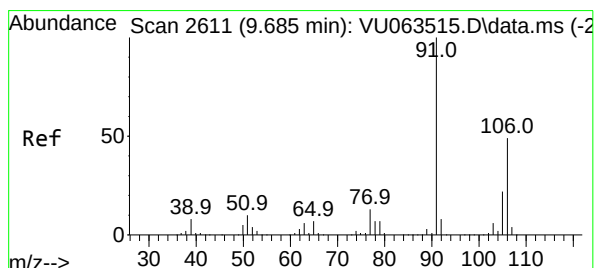
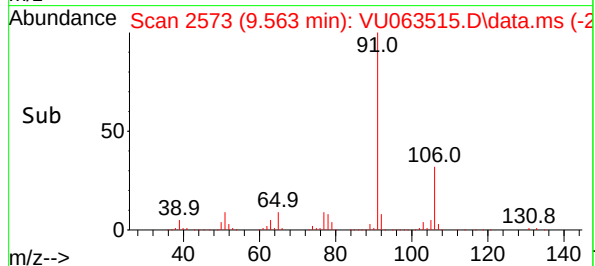
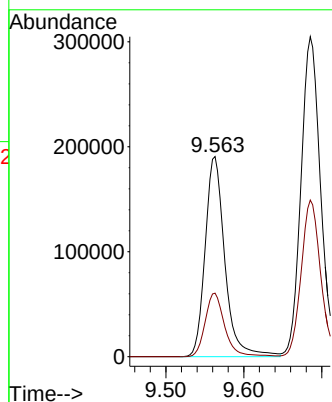
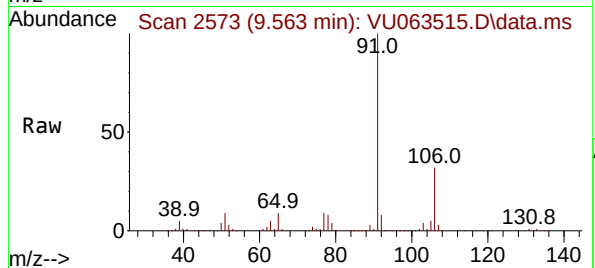
106 31.7 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 21.007 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063515.D

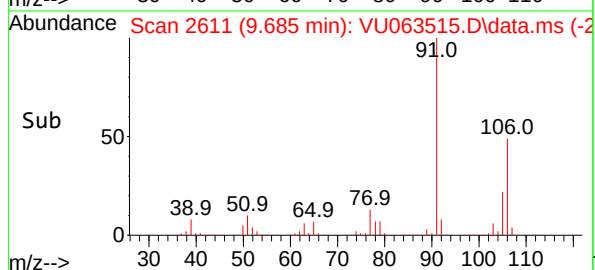
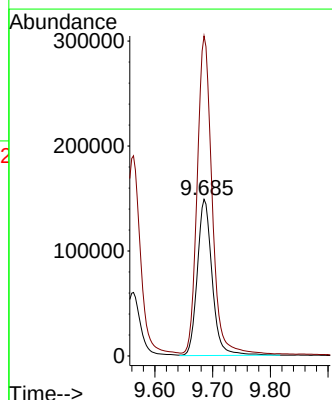
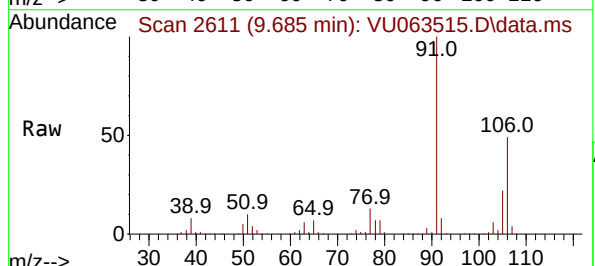
Acq: 16 Jul 2025 11:37

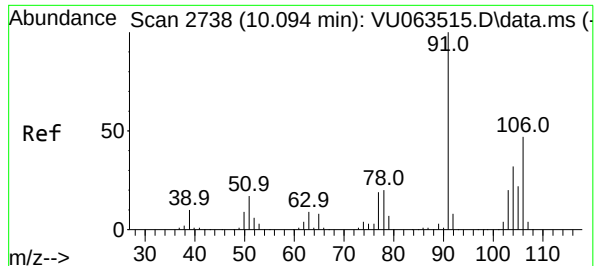
Tgt Ion:106 Resp: 264769

Ion Ratio Lower Upper

106 100

91 204.5 163.6 245.4





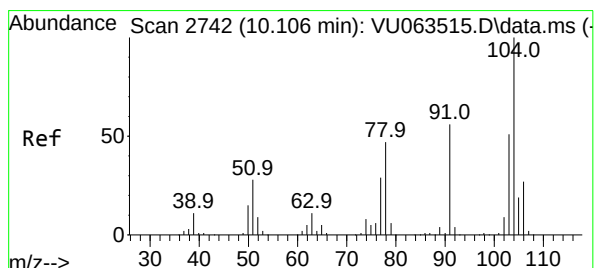
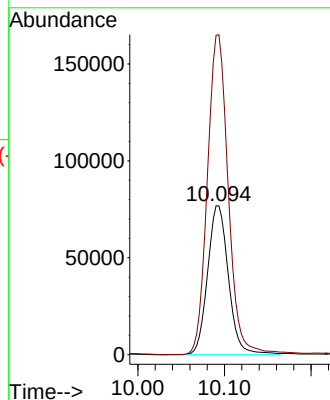
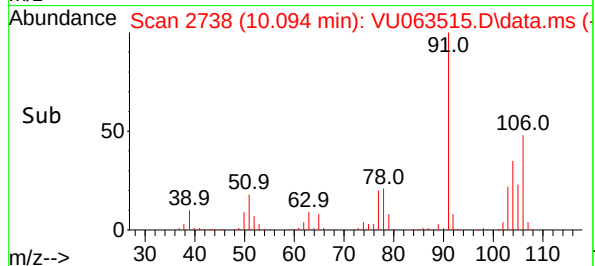
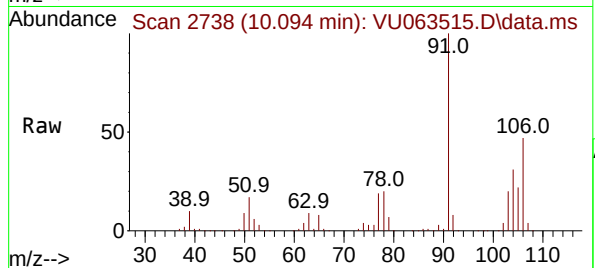
#65
o-Xylene
Concen: 10.621 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:106 Resp: 128634
Ion Ratio Lower Upper
106 100
91 216.3 108.1 324.4

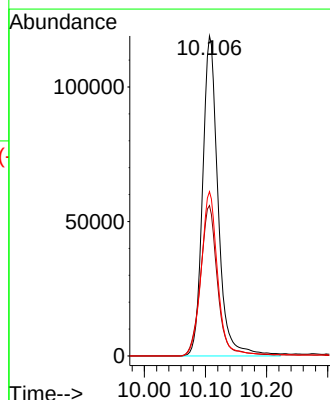
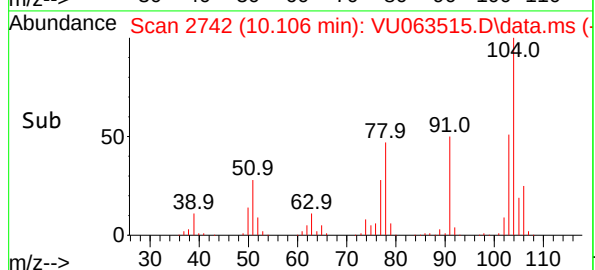
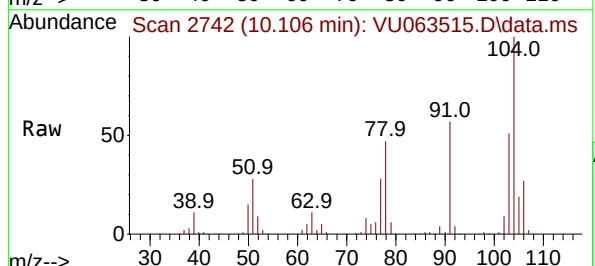
Manual Integrations
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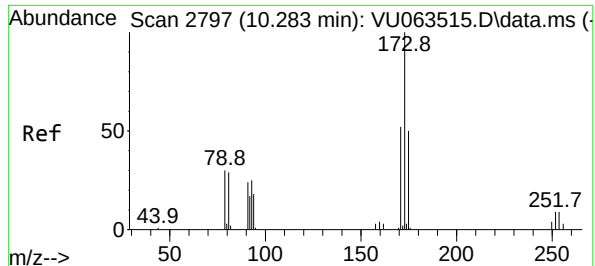
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 10.873 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

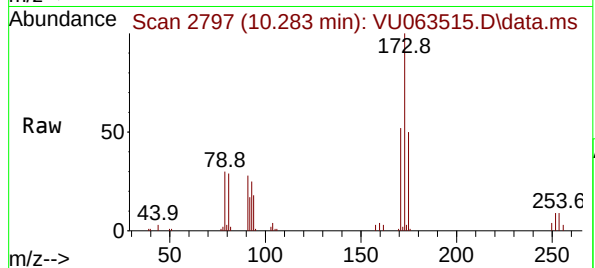
Tgt Ion:104 Resp: 209876
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 54.5 43.6 65.4





#67
Bromoform
Concen: 11.325 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

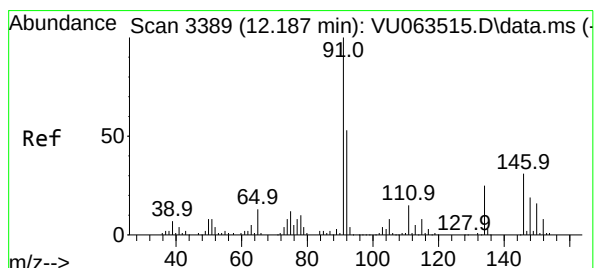
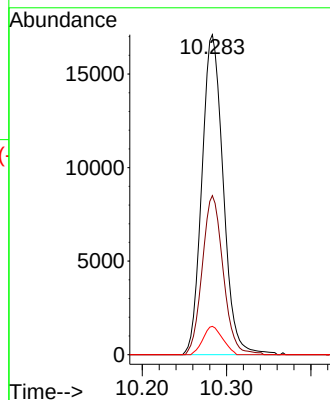
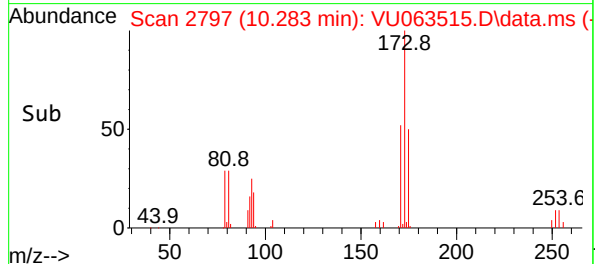
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



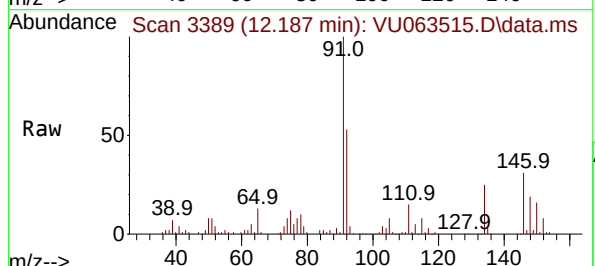
Tgt Ion:173 Resp: 30149
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 8.1 6.5 9.7

Manual Integrations
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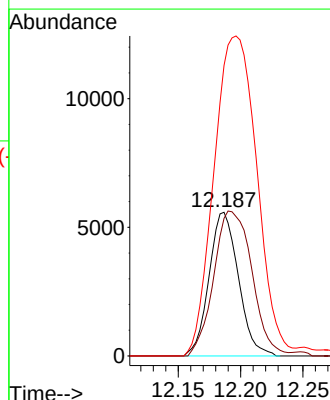
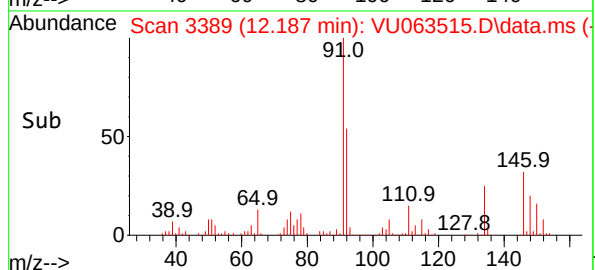
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

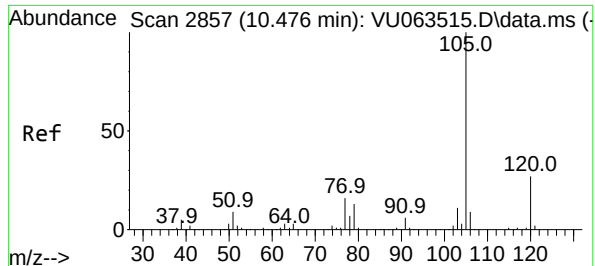


#68
1,2-Dichlorobenzene-d4
Concen: 1.024 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37



Tgt Ion:152 Resp: 9149
Ion Ratio Lower Upper
152 100
115 131.1 0.0 262.2
150 325.6 0.0 651.2





#69

Isopropylbenzene

Concen: 10.718 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 313810

Ion Ratio Lower Upper

105 100

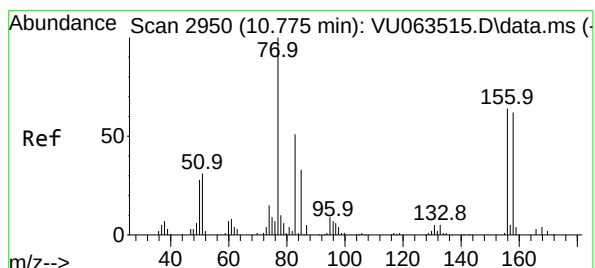
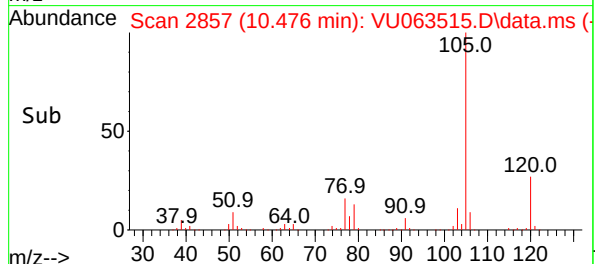
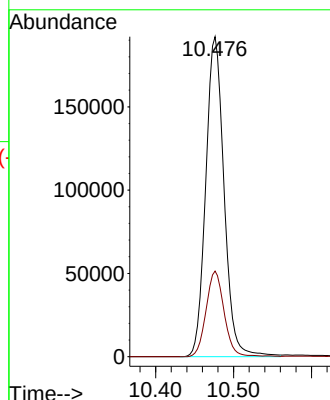
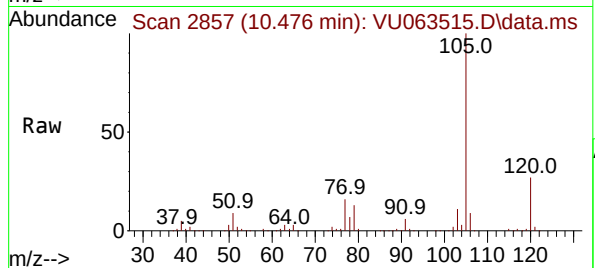
120 26.3 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 10.373 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

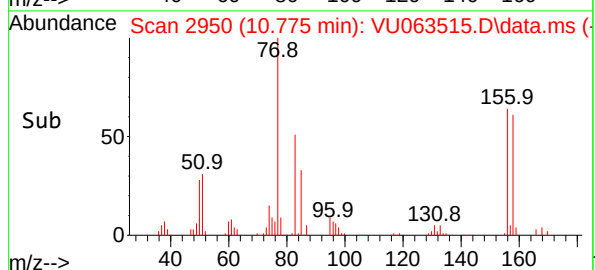
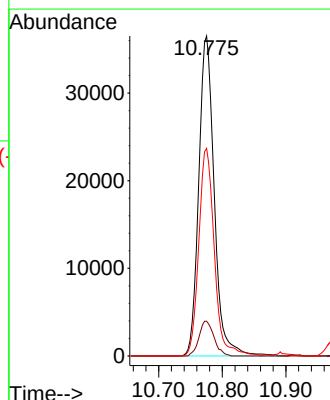
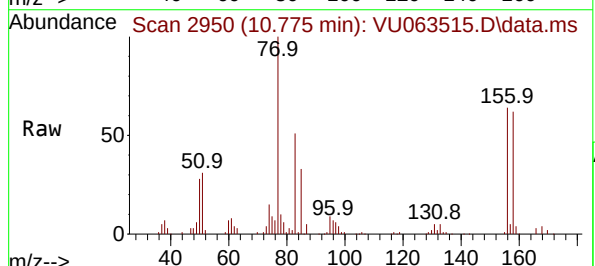
Tgt Ion: 83 Resp: 61909

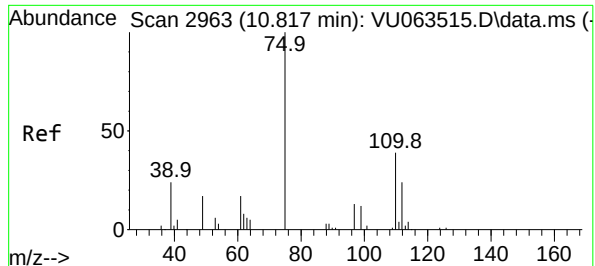
Ion Ratio Lower Upper

83 100

131 10.5 8.4 12.6

85 64.9 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 10.893 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 5305

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 33.5 0.0 73.2

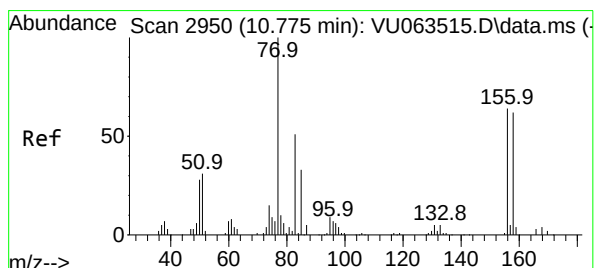
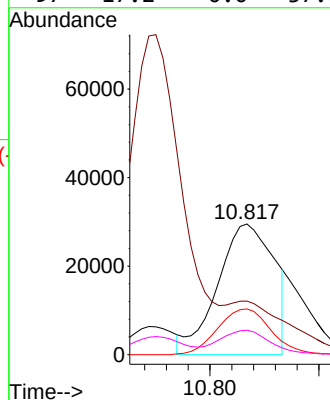
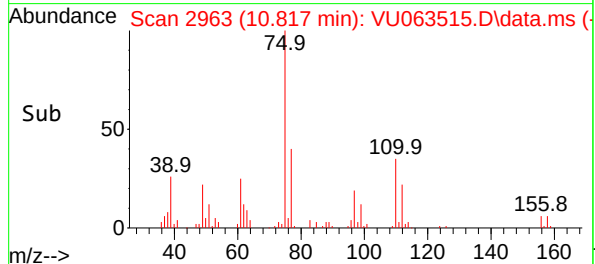
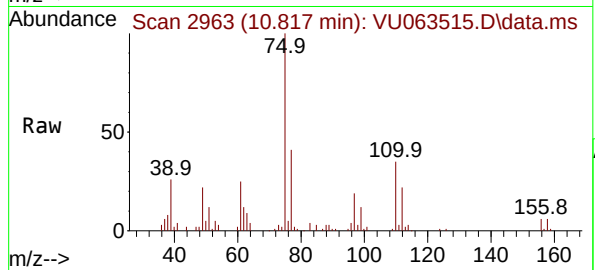
97 17.2 0.0 37.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 10.441 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

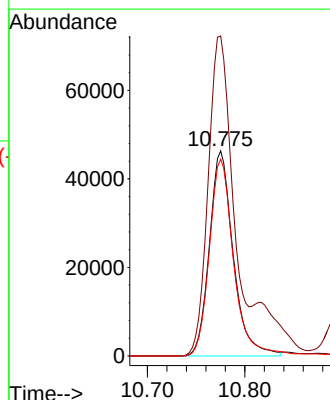
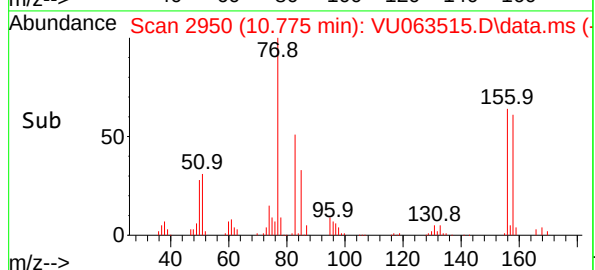
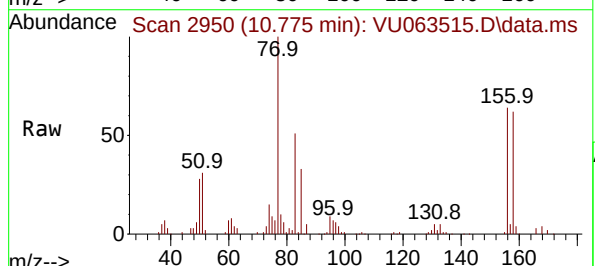
Tgt Ion:156 Resp: 78897

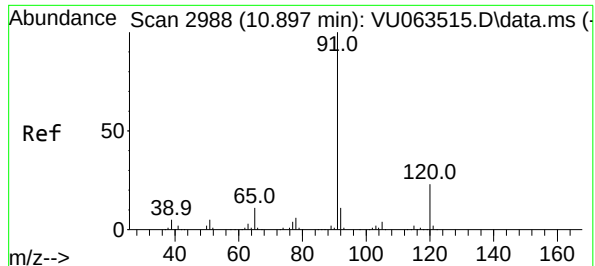
Ion Ratio Lower Upper

156 100

77 157.6 0.0 315.2

158 97.7 0.0 195.4





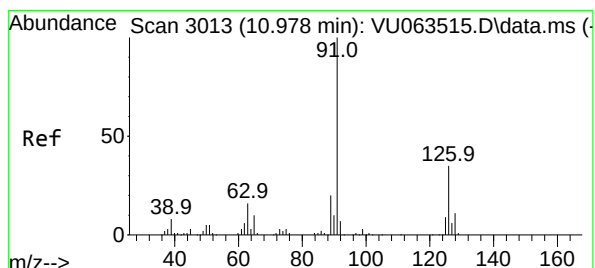
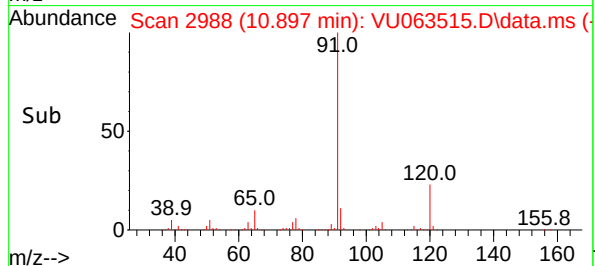
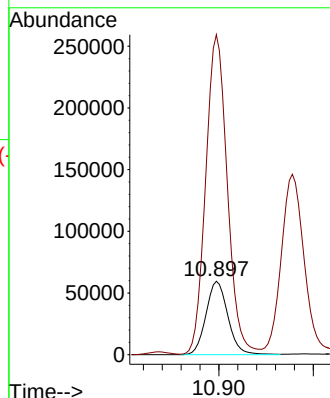
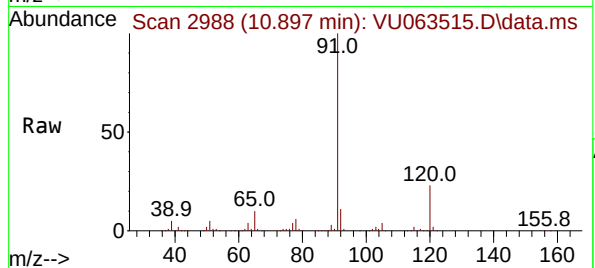
#73
n-propylbenzene
Concen: 10.853 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:120 Resp: 95650
Ion Ratio Lower Upper
120 100
91 428.9 343.1 514.7

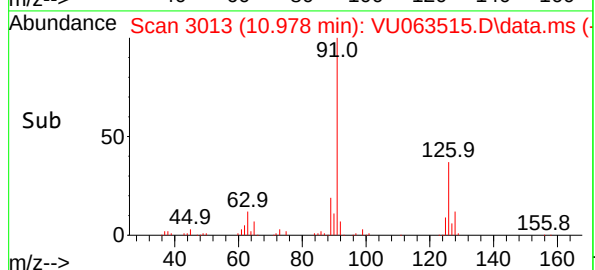
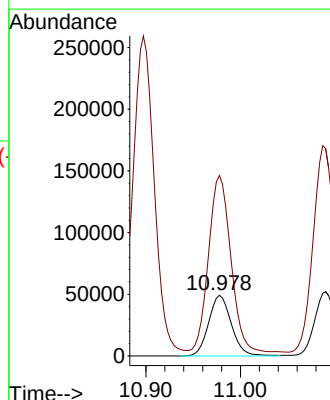
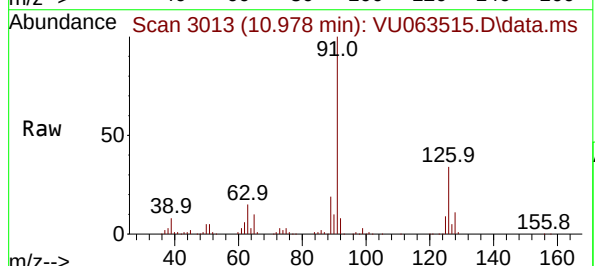
Manual Integrations
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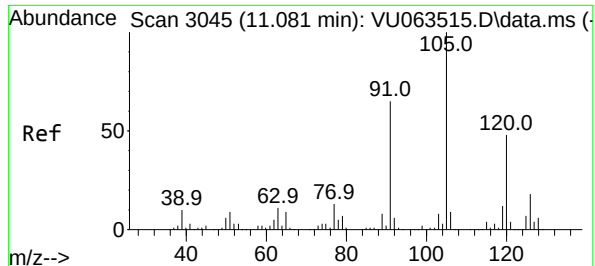
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#74
2-Chlorotoluene
Concen: 10.540 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:126 Resp: 82104
Ion Ratio Lower Upper
126 100
91 303.0 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 10.778 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 301469

Ion Ratio Lower Upper

105 100

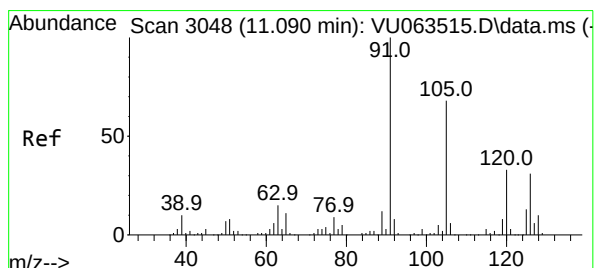
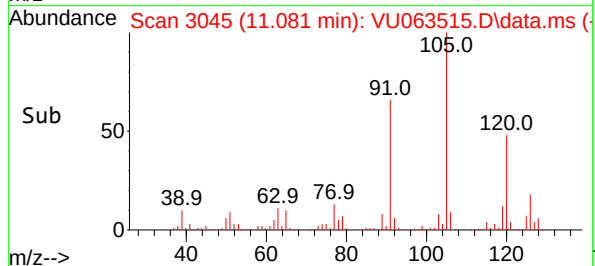
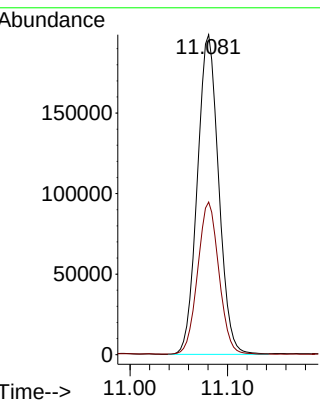
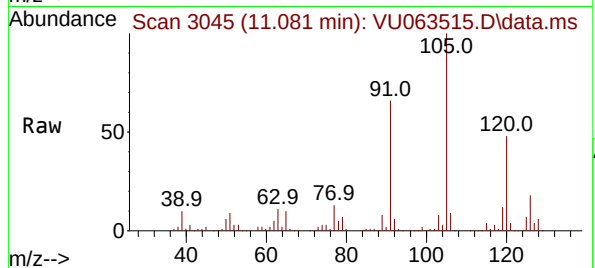
120 47.3 37.8 56.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 10.636 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063515.D

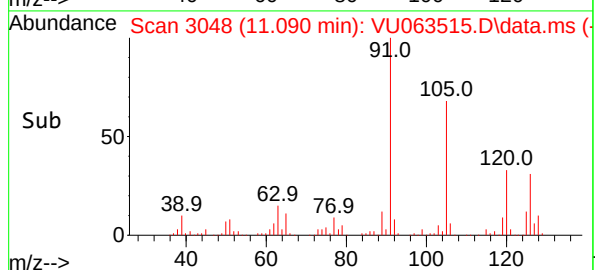
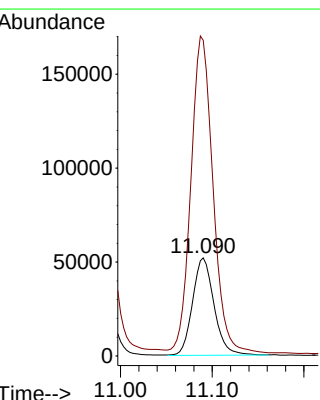
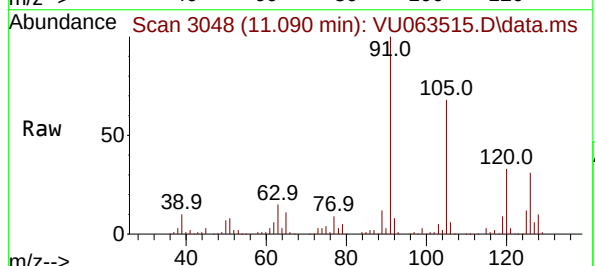
Acq: 16 Jul 2025 11:37

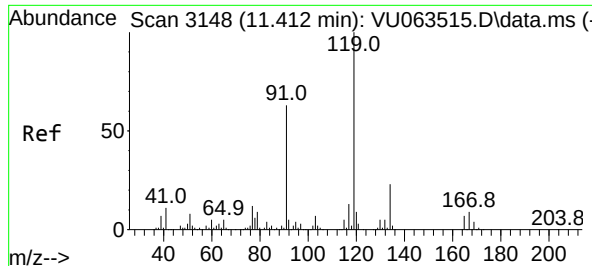
Tgt Ion:126 Resp: 84140

Ion Ratio Lower Upper

126 100

91 341.1 0.0 682.2





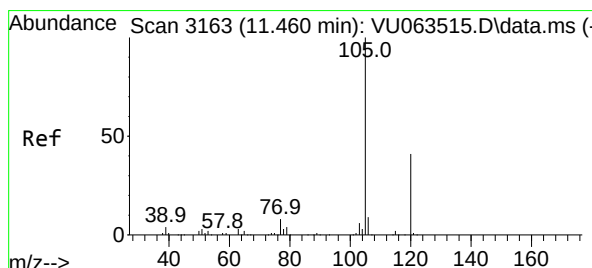
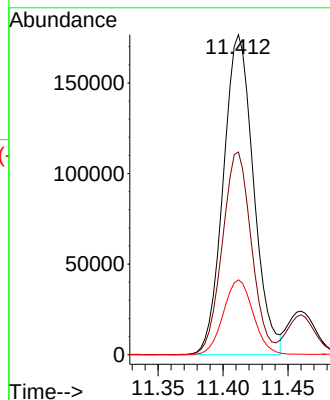
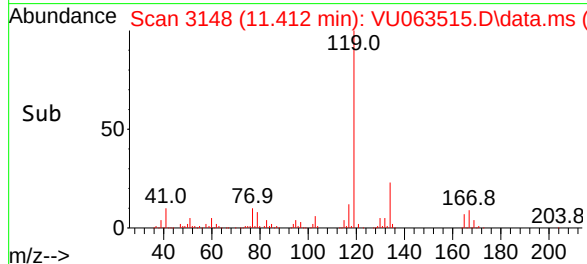
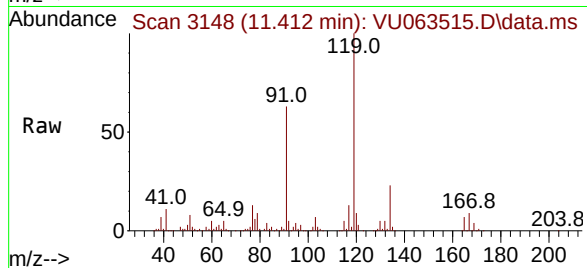
#77
tert-Butylbenzene
Concen: 10.714 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 28640
Ion Ratio Lower Upper
119 100
91 61.4 30.7 92.1
134 23.1 18.5 27.7

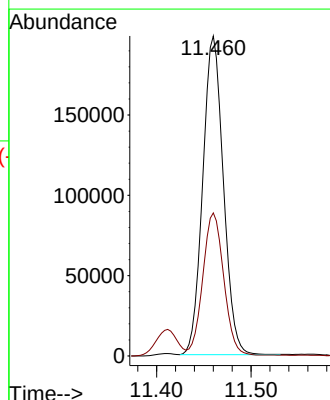
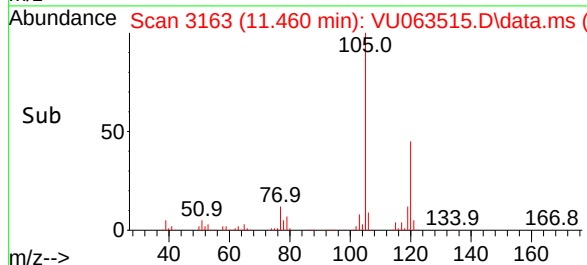
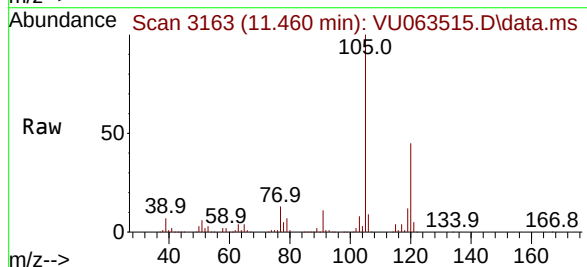
Manual Integrations
APPROVED

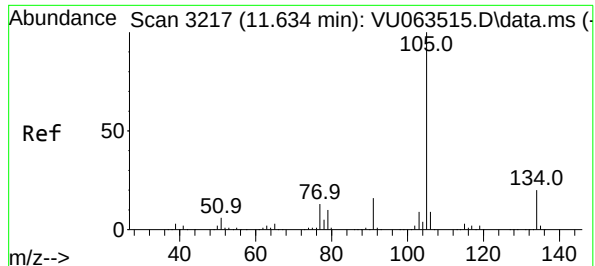
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78
1,2,4-Trimethylbenzene
Concen: 10.824 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:105 Resp: 300364
Ion Ratio Lower Upper
105 100
120 45.3 22.7 68.0





#79

sec-Butylbenzene

Concen: 10.724 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 38657

Ion Ratio Lower Upper

105 100

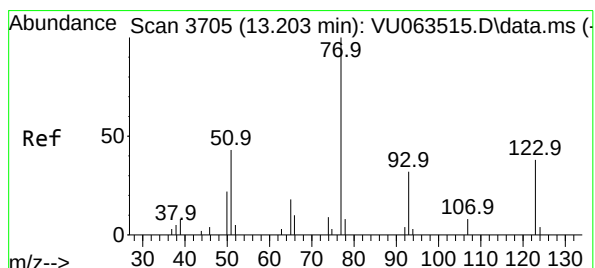
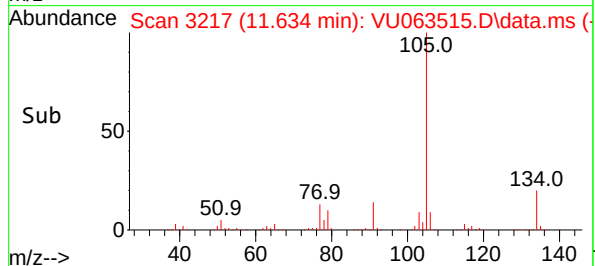
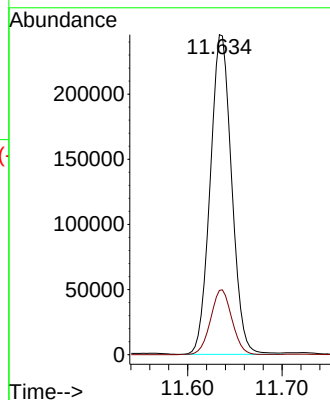
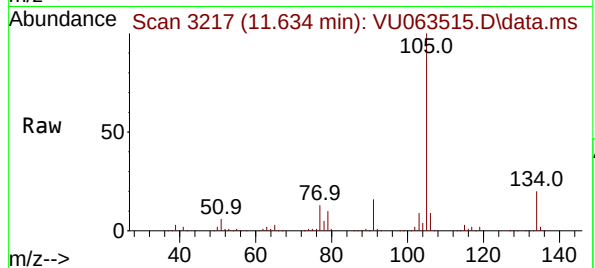
134 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 50.800 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

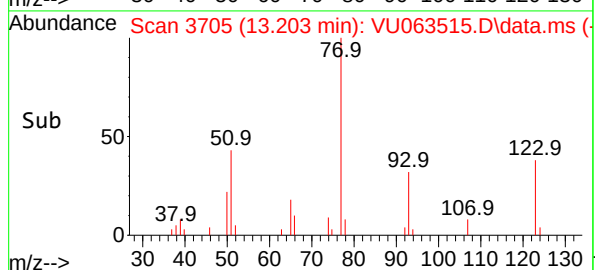
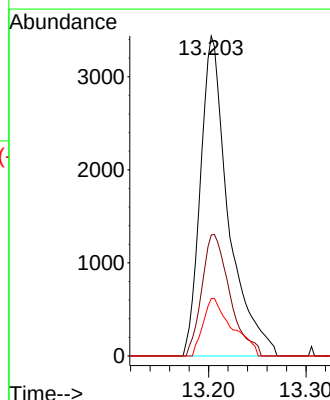
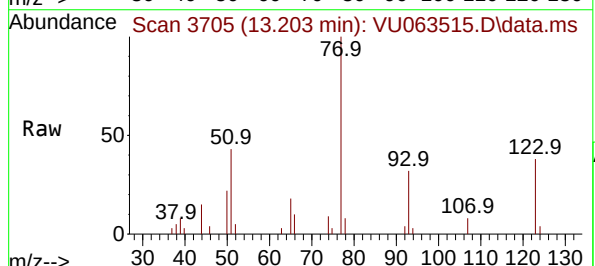
Tgt Ion: 77 Resp: 6826

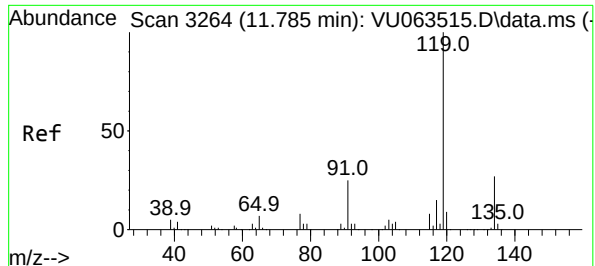
Ion Ratio Lower Upper

77 100

123 38.3 16.9 59.7

65 18.7 16.5 20.9





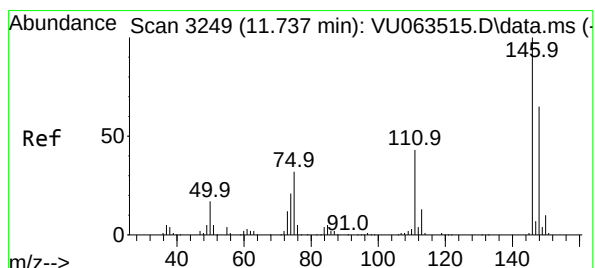
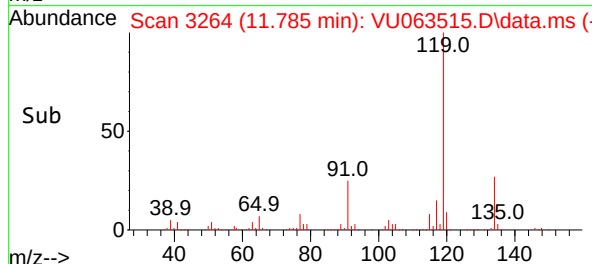
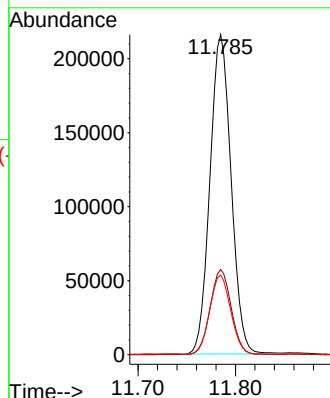
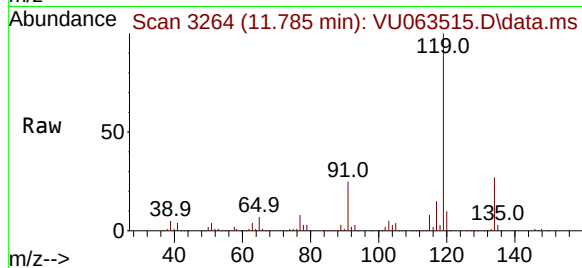
#81
p-Isopropyltoluene
Concen: 10.808 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 325219
Ion Ratio Lower Upper
119 100
134 26.4 21.1 31.7
91 24.8 19.8 29.8

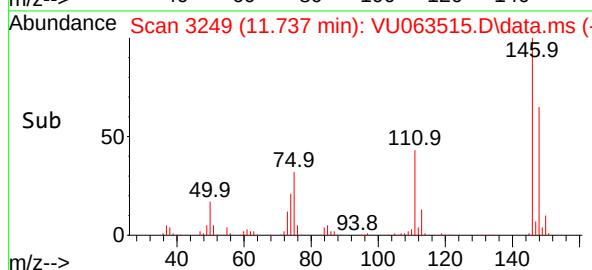
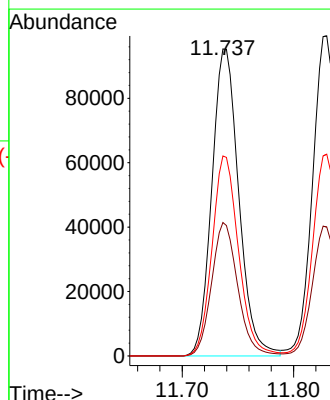
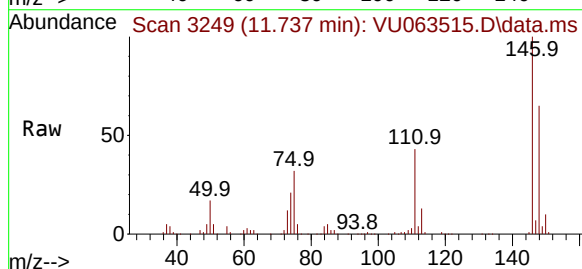
Manual Integrations
APPROVED

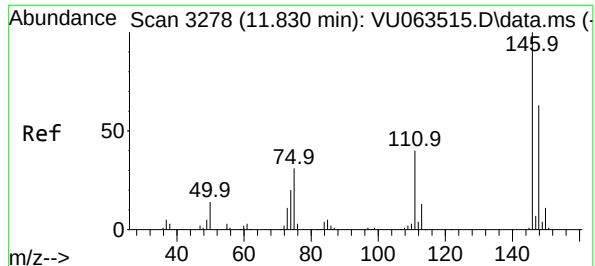
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#82
1,3-Dichlorobenzene
Concen: 10.603 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

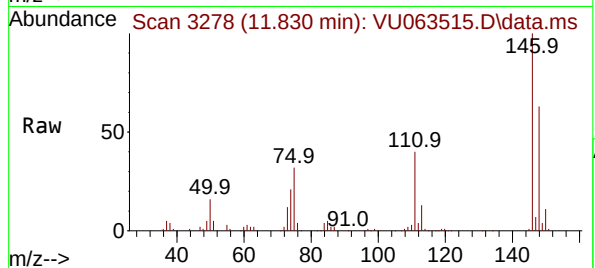
Tgt Ion:146 Resp: 160312
Ion Ratio Lower Upper
146 100
111 42.2 33.8 50.6
148 64.4 51.5 77.3





#83
1,4-Dichlorobenzene
Concen: 10.702 ug/l
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

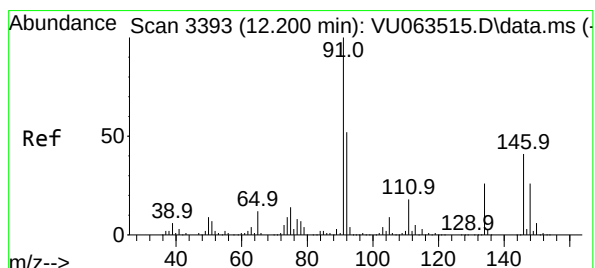
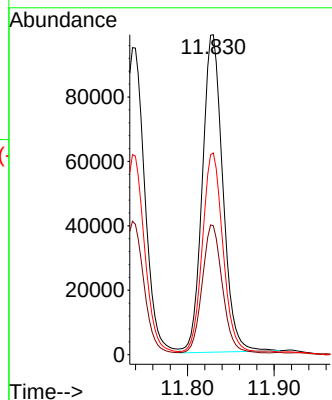
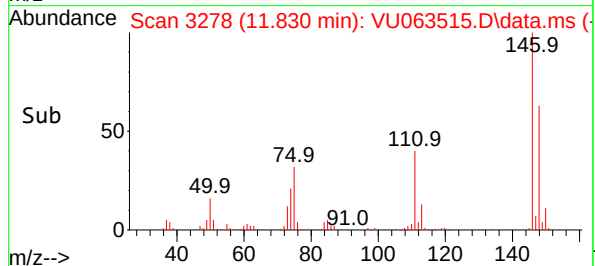
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



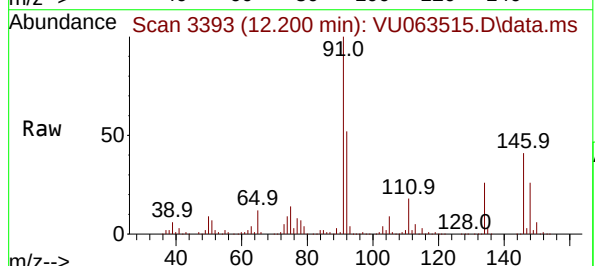
Tgt Ion:146 Resp: 161961
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 62.7 50.2 75.2

Manual Integrations
APPROVED

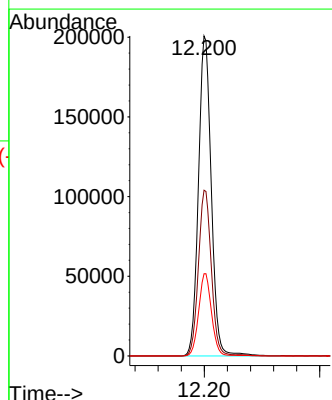
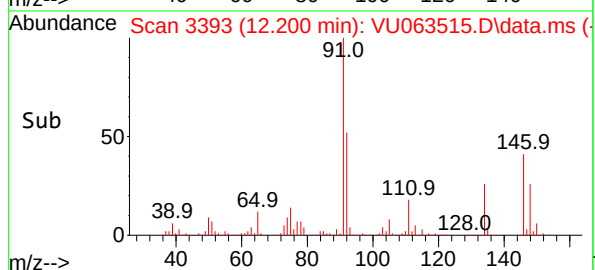
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

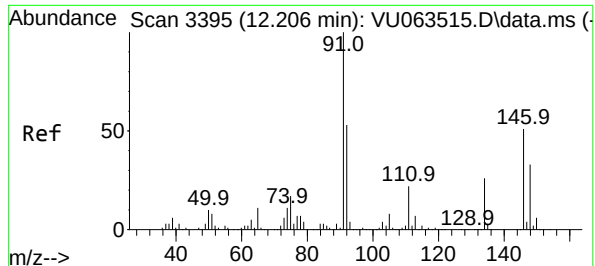


#84
n-Butylbenzene
Concen: 11.063 ug/l
RT: 12.200 min Scan# 3393
Delta R.T. -0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37



Tgt Ion: 91 Resp: 308761
Ion Ratio Lower Upper
91 100
92 51.9 41.5 62.3
134 25.7 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 10.716 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

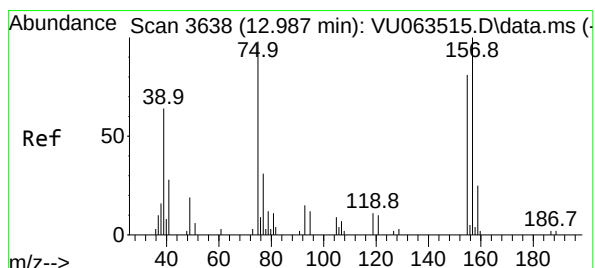
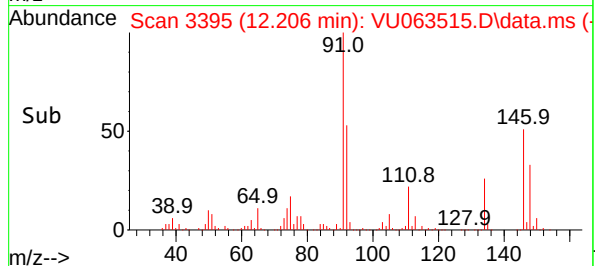
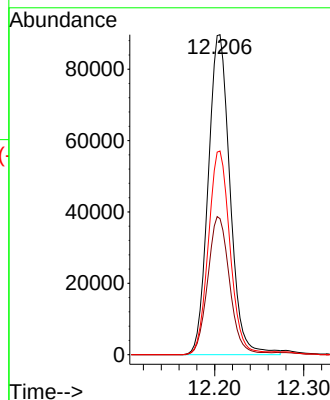
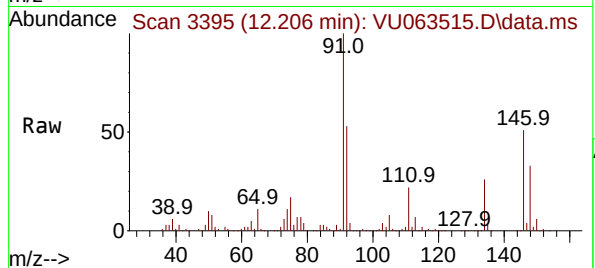
ClientSampleId :

VSTDICCC010

Tgt Ion:	146	Resp:	152208
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.7	65.1
148	63.5	31.8	95.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.093 ug/l

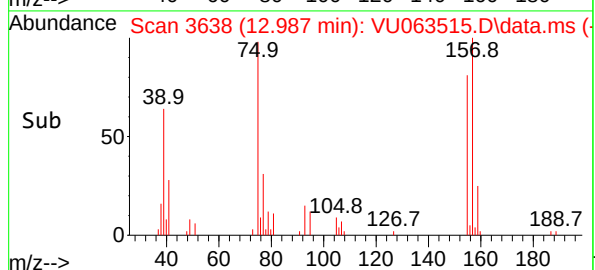
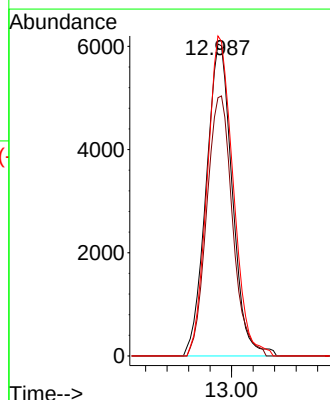
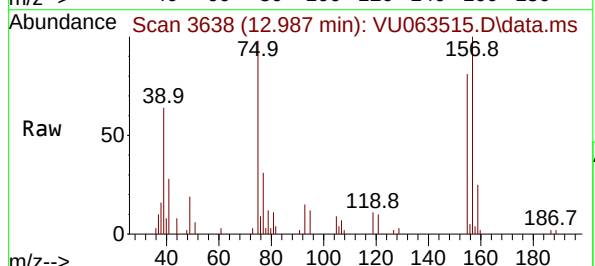
RT: 12.987 min Scan# 3638

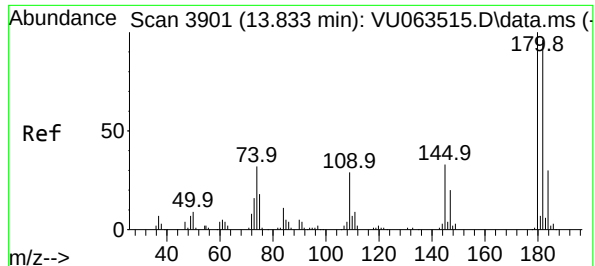
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:	75	Resp:	10205
Ion Ratio	Lower	Upper	
75	100		
155	82.2	65.8	98.6
157	101.8	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 11.107 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

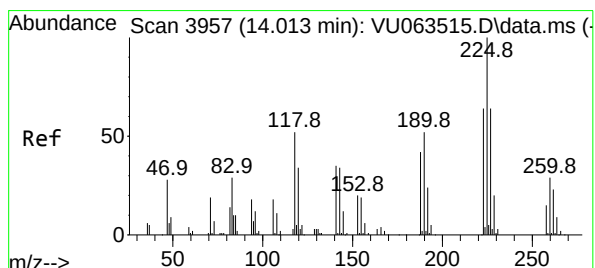
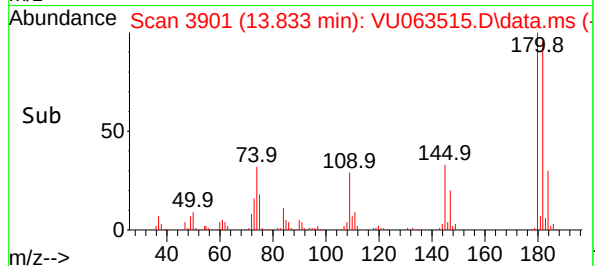
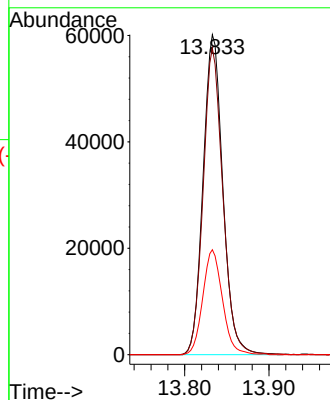
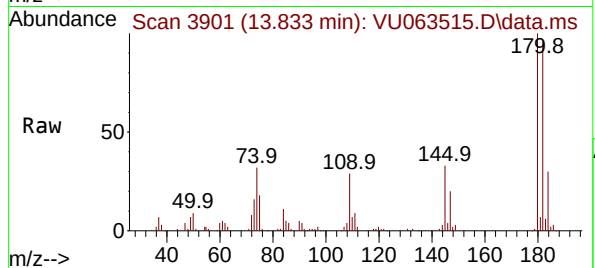
VSTDICCC010

Tgt Ion:	180	Resp:	9810
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.2	114.4
145	32.7	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 10.718 ug/l

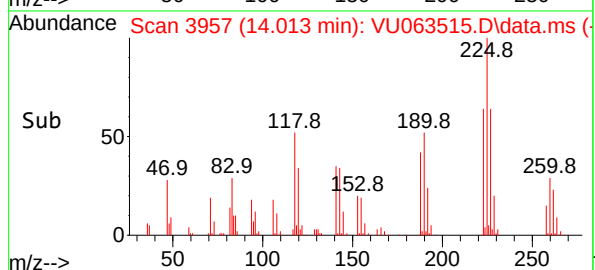
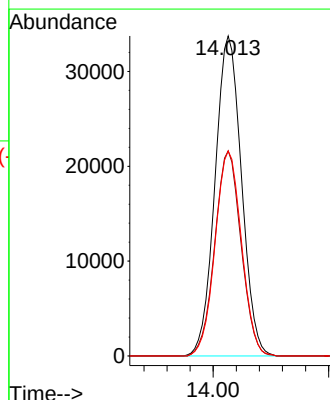
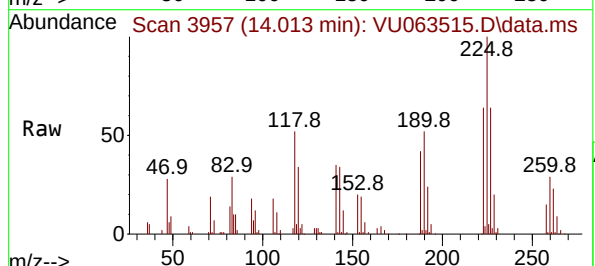
RT: 14.013 min Scan# 3957

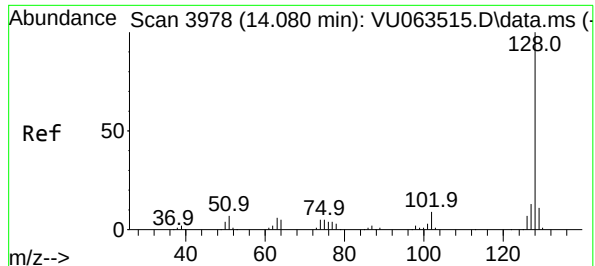
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

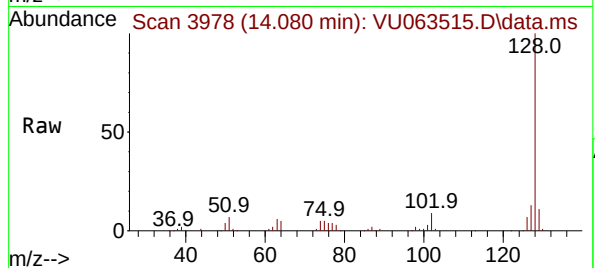
Tgt Ion:	225	Resp:	53764
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.8	76.2
227	63.8	51.0	76.6





#89
Naphthalene
Concen: 10.937 ug/l
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

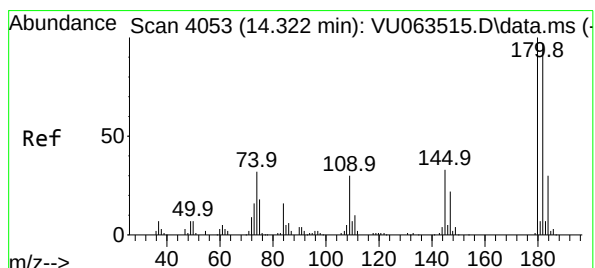
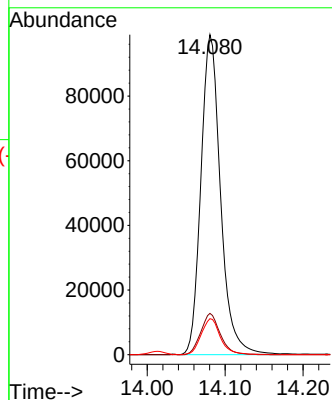
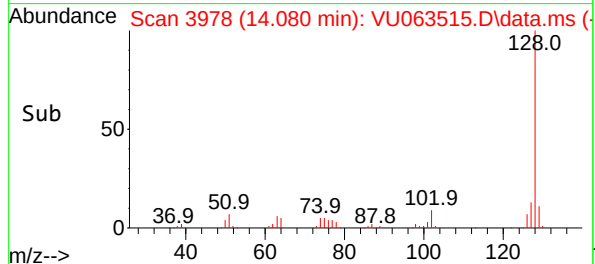
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:128 Resp: 17311
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.8 13.2

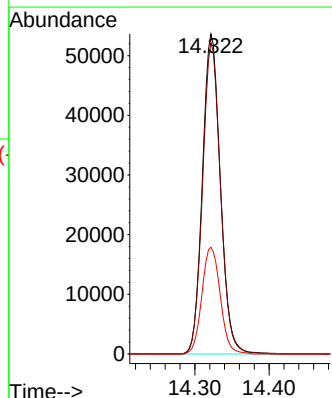
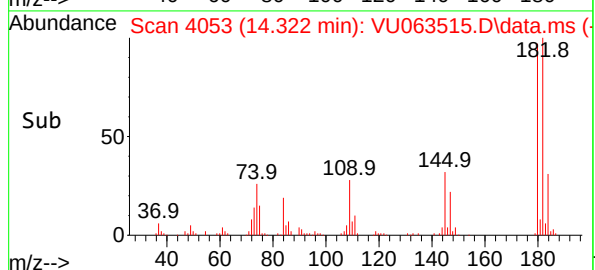
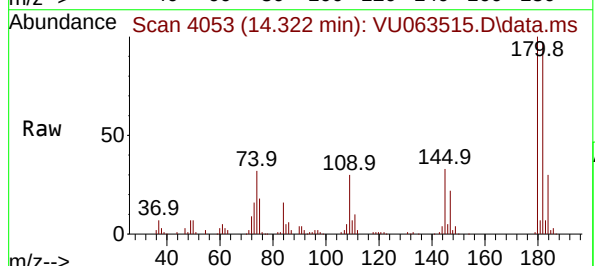
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#90
1,2,3-Trichlorobenzene
Concen: 11.015 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063515.D
Acq: 16 Jul 2025 11:37

Tgt Ion:180 Resp: 89908
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 34.1 27.3 40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063516.D
 Acq On : 16 Jul 2025 12:11
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:26:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.100	96	24893	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9905	1.051	ug/l	0.00
Spiked Amount	1.000		Recovery	= 105.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	9748	1.118	ug/l	0.00
Spiked Amount	1.000		Recovery	= 112.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	118195	16.103	ug/l	100
3) Chloromethane	1.519	50	106285	15.578	ug/l	100
4) Vinyl Chloride	1.596	62	140324	16.148	ug/l	99
5) Bromomethane	1.837	94	94776	14.463	ug/l	99
6) Chloroethane	1.920	64	84236	16.055	ug/l	99
7) Trichlorofluoromethane	2.126	101	198726	15.928	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	103637	15.895	ug/l	99
9) 1,1-Dichloroethene	2.567	96	102475	15.857	ug/l	98
10) Iodomethane	2.708	142	154304	15.423	ug/l	99
11) Allyl Chloride	2.908	41	149875	16.053	ug/l	99
12) Acrylonitrile	3.303	53	46936	29.022	ug/l	96
13) Acetone	2.618	43	114282	88.245	ug/l	99
14) Carbon Disulfide	2.776	76	336090	16.100	ug/l	99
15) Methylene Chloride	3.030	84	115170	15.136	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	115592	15.749	ug/l	99
17) 1,1-Dichloroethane	3.850	63	213678	15.707	ug/l	99
18) 2-Butanone	4.708	43	167820	83.678	ug/l	100
19) Cyclohexane	5.364	56	180806	15.697	ug/l	98
20) Methylcyclohexane	6.743	83	193667	17.299	ug/l	99
21) 2,2-Dichloropropane	4.644	77	182585	15.761	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	125136	15.711	ug/l	99
23) Diethyl Ether	2.367	59	79700	16.184	ug/l	98
24) tert-Butyl Alcohol	3.187	59	95177	160.102	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	271458	16.090	ug/l	100
26) Bromochloromethane	4.956	128	54202	16.299	ug/l	99
27) Chloroform	5.071	83	217821	15.691	ug/l	99
28) 1,1,1-Trichloroethane	5.296	97	188574	16.005	ug/l	99
29) 1,1-Dichloropropene	5.505	75	174673	16.004	ug/l	98
30) Carbon Tetrachloride	5.502	117	162285	17.113	ug/l	96
31) Isopropyl Ether	3.991	45	323879	15.772	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	302903	15.939	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	268560	16.283	ug/l	99
34) Propionitrile	4.772	54	45659	74.722	ug/l	97
35) Benzene	5.756	78	473682	16.153	ug/l	99
36) 1,2-Dichloroethane	5.782	62	147295	16.165	ug/l	99
37) Trichloroethene	6.525	130	128676	17.198	ug/l	98
38) 1,2-Dichloropropane	6.779	63	124831	18.188	ug/l	100
39) Methacrylonitrile	4.972	41	39512	14.730	ug/l	99
40) Methyl acrylate	4.843	55	65123	16.402	ug/l	99
41) Tetrahydrofuran	5.059	42	40858	28.595	ug/l	100
42) 1-Chlorobutane	5.438	56	232046	15.991	ug/l	99
43) Dibromomethane	6.904	93	62716	17.639	ug/l	99
44) Bromodichloromethane	7.094	83	144794	18.058	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063516.D
 Acq On : 16 Jul 2025 12:11
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Quant Time: Jul 17 03:26:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	310822	84.821	ug/l	100
46) t-1,4-Dichloro-2-butene	10.824	75	41713m	32.085	ug/l	
47) Methyl methacrylate	6.962	69	114716	38.417	ug/l	98
48) Ethyl methacrylate	8.335	69	101021	17.728	ug/l	99
49) Toluene	7.959	92	268202	16.751	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	116990	18.597	ug/l	97
51) cis-1,3-Dichloropropene	7.595	75	168909	20.004	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	78885	16.480	ug/l	99
53) 1,3-Dichloropropane	8.566	76	135862	16.441	ug/l	100
54) 2-Hexanone	8.689	43	213057	87.533	ug/l	99
55) Dibromochloromethane	8.801	129	92530	18.292	ug/l	98
56) 1,2-Dibromoethane	8.917	107	70483	16.452	ug/l	98
58) Tetrachloroethene	8.541	164	110328	16.111	ug/l	98
59) Chlorobenzene	9.441	112	309351	16.822	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	101862	17.225	ug/l	98
61) Pentachloroethane	11.418	117	77252	18.487	ug/l	99
62) Hexachloroethane	12.467	117	79431	19.195	ug/l	99
63) Ethyl Benzene	9.563	91	525757	16.614	ug/l	99
64) m/p-Xylenes	9.685	106	421278	34.249	ug/l	100
65) o-Xylene	10.091	106	205249	17.365	ug/l	98
66) Styrene	10.107	104	336001	17.837	ug/l	100
67) Bromoform	10.283	173	48978	18.852	ug/l	99
69) Isopropylbenzene	10.476	105	492082	17.221	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	98628	16.933	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	76288m	16.049	ug/l	
72) Bromobenzene	10.775	156	128042	17.363	ug/l	97
73) n-propylbenzene	10.898	120	149954	17.433	ug/l	100
74) 2-Chlorotoluene	10.978	126	130274	17.136	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	478010	17.511	ug/l	99
76) 4-Chlorotoluene	11.090	126	132384	17.147	ug/l	98
77) tert-Butylbenzene	11.412	119	450846	17.282	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	473538	17.485	ug/l	99
79) sec-Butylbenzene	11.634	105	612652	17.415	ug/l	99
80) Nitrobenzene	13.203	77	11188	74.783	ug/l	94
81) p-Isopropyltoluene	11.785	119	516607	17.591	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	254102	17.221	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	265531	17.978	ug/l	98
84) n-Butylbenzene	12.200	91	492464	18.081	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	242217	17.474	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.988	75	16421	14.975	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	158574	18.396	ug/l	99
88) Hexachlorobutadiene	14.013	225	86303	17.630	ug/l	99
89) Naphthalene	14.077	128	292967	18.966	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	149249	18.735	ug/l	99

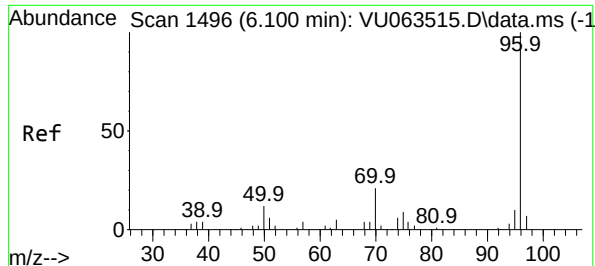
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

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Supervised By :Semsettin Yesilyurt 07/17/2025





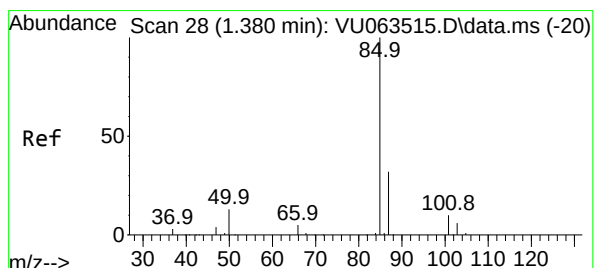
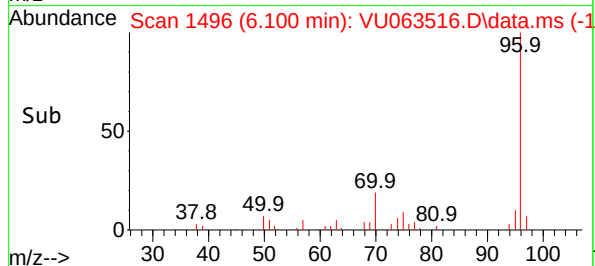
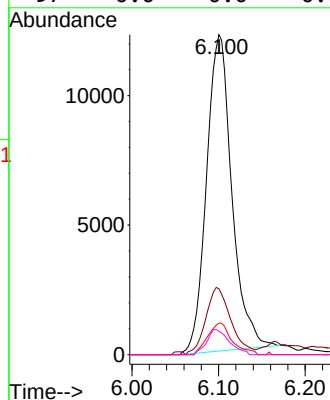
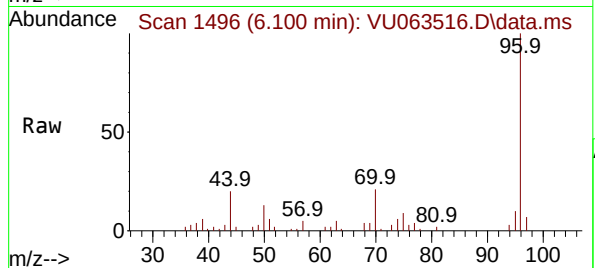
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 96 Resp: 2489
Ion Ratio Lower Upper
96 100
70 19.2 15.0 22.4
95 0.0 7.4 11.0
97 0.0 0.0 0.0

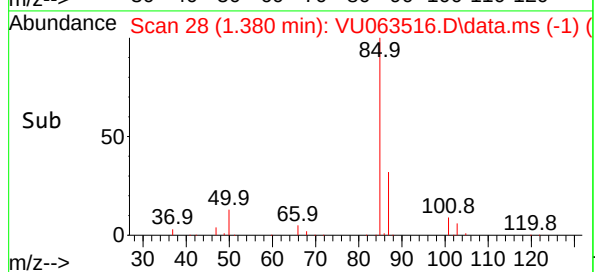
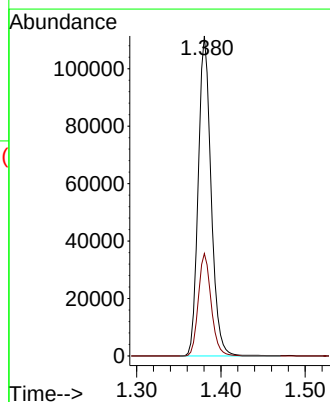
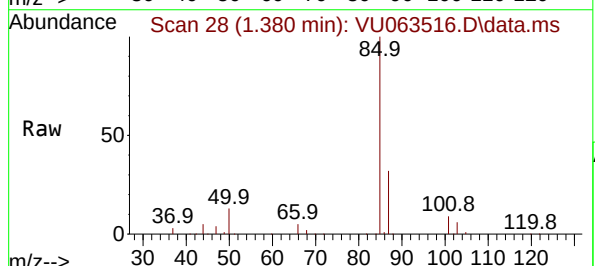
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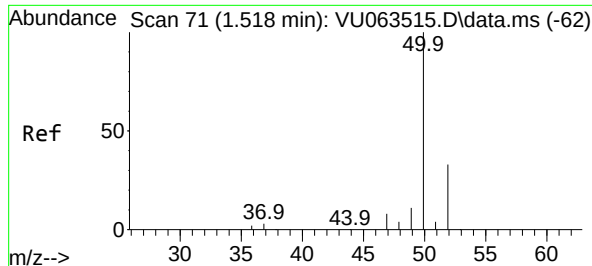
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 16.103 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 85 Resp: 118195
Ion Ratio Lower Upper
85 100
87 32.0 16.0 47.9





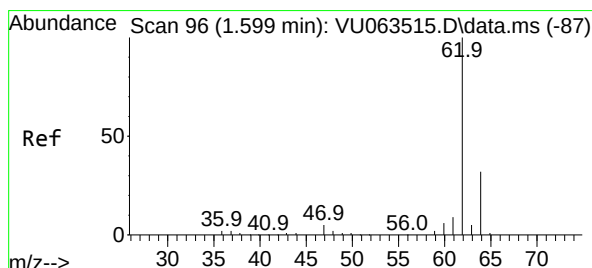
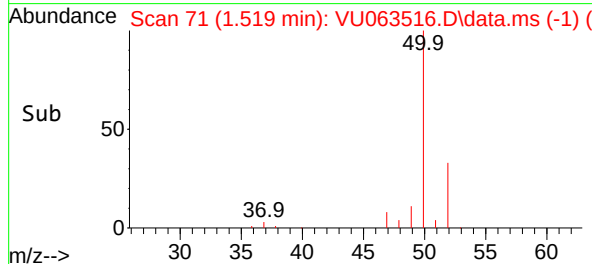
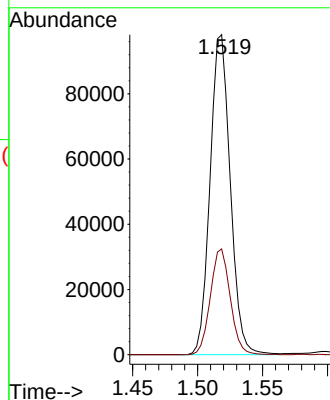
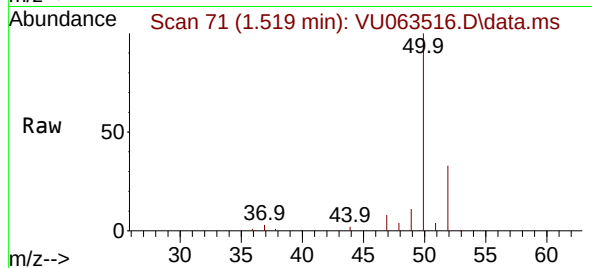
#3
Chloromethane
Concen: 15.578 ug/l
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 50 Resp: 10628
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5

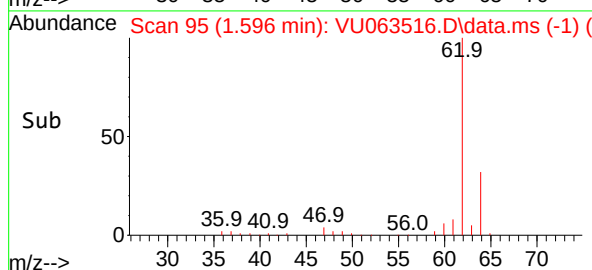
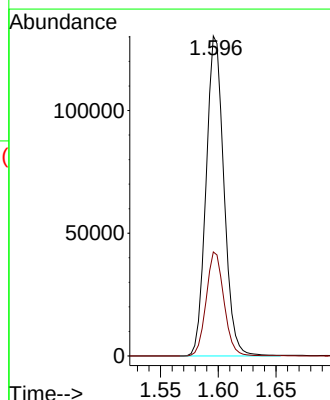
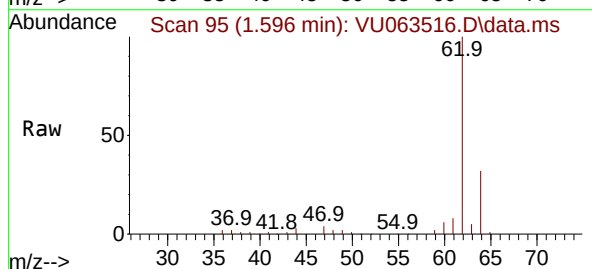
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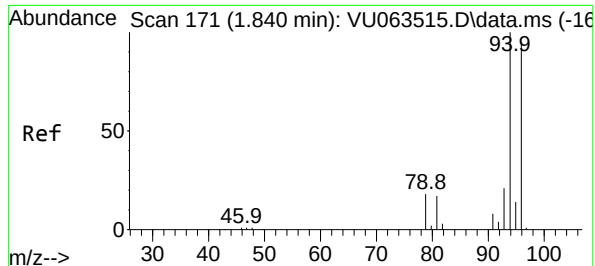
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#4
Vinyl Chloride
Concen: 16.148 ug/l
RT: 1.596 min Scan# 95
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 62 Resp: 140324
Ion Ratio Lower Upper
62 100
64 32.5 25.7 38.5





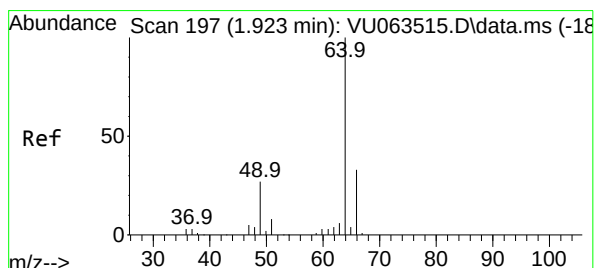
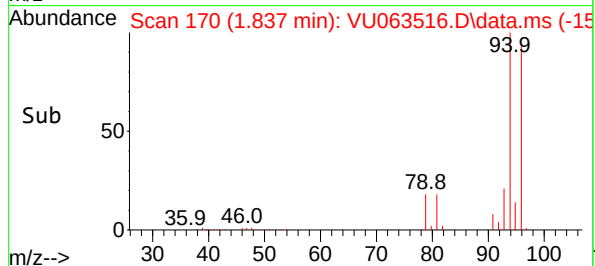
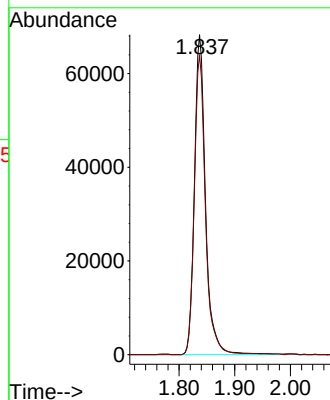
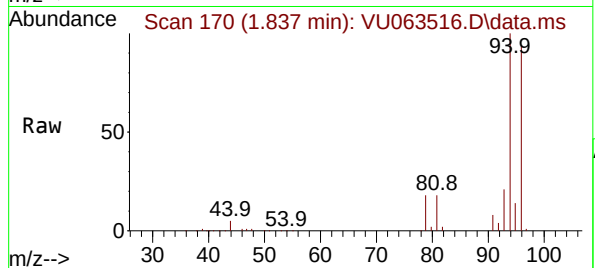
#5
Bromomethane
Concen: 14.463 ug/l
RT: 1.837 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 94 Resp: 94770
Ion Ratio Lower Upper
94 100
96 93.8 75.8 113.6

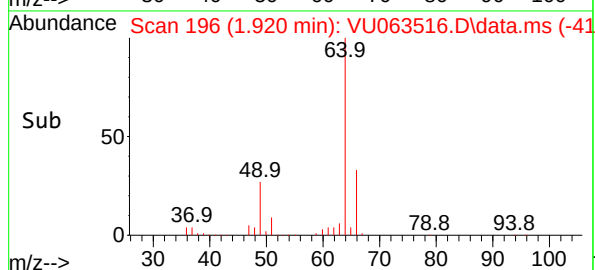
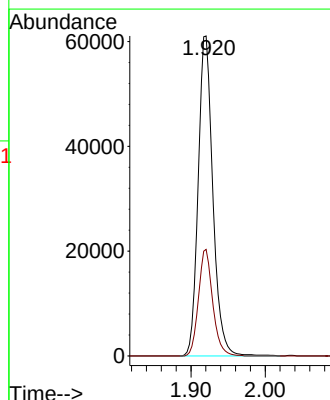
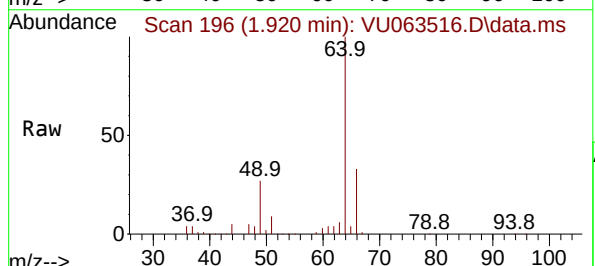
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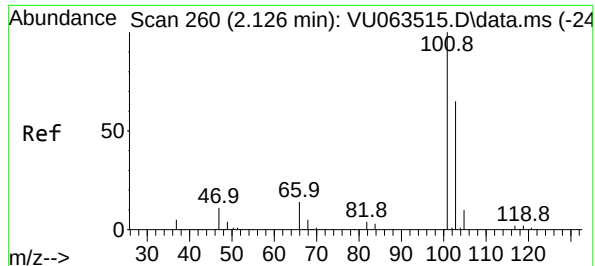
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#6
Chloroethane
Concen: 16.055 ug/l
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 64 Resp: 84236
Ion Ratio Lower Upper
64 100
66 33.3 26.2 39.4





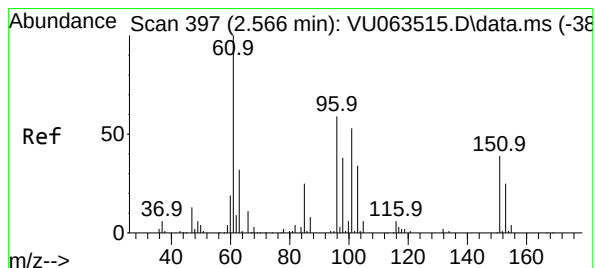
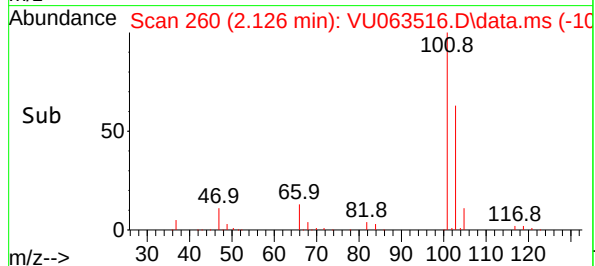
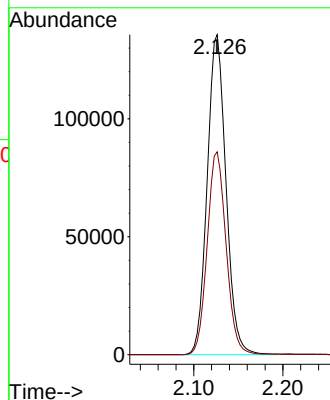
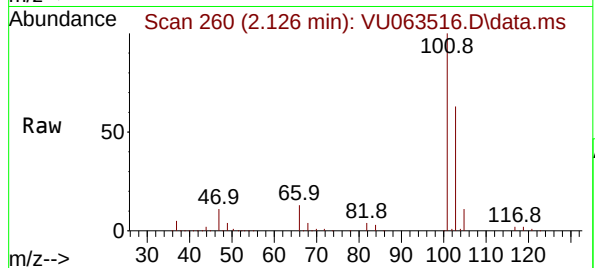
#7
Trichlorofluoromethane
Concen: 15.928 ug/l
RT: 2.126 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:101 Resp: 198720
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

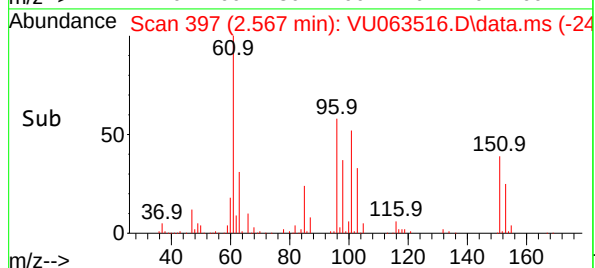
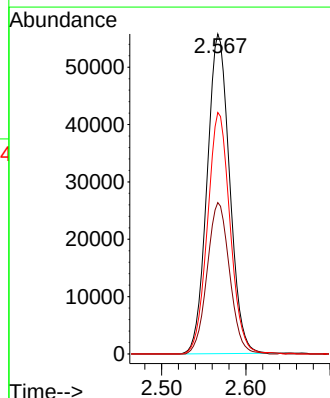
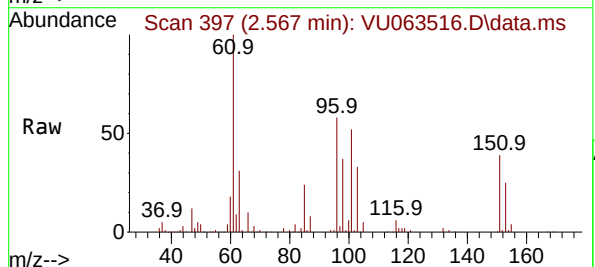
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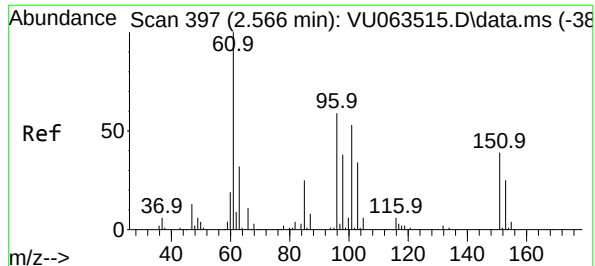
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#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.895 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion:101 Resp: 103637
Ion Ratio Lower Upper
101 100
85 47.1 37.8 56.6
151 75.9 59.2 88.8





#9

1,1-Dichloroethene

Concen: 15.857 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

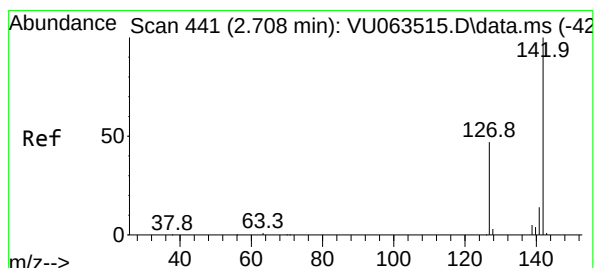
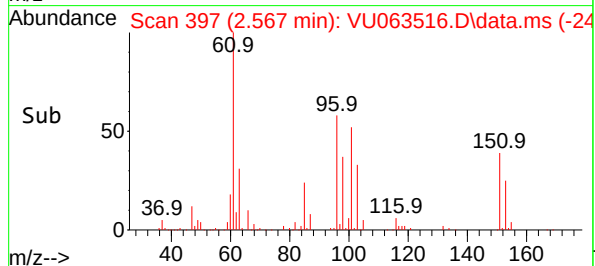
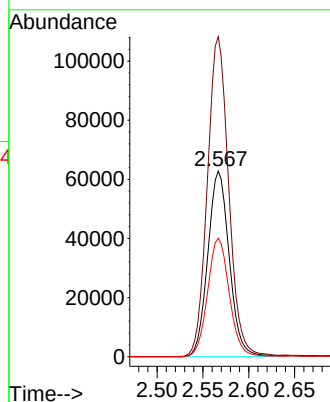
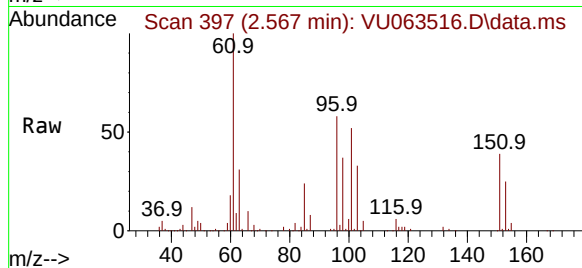
VSTDIC015

Tgt Ion:	96	Resp:	102475
Ion	Ratio	Lower	Upper
96	100		
61	172.3	0.0	504.3
98	63.7	0.0	126.8

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#10

Iodomethane

Concen: 15.423 ug/l

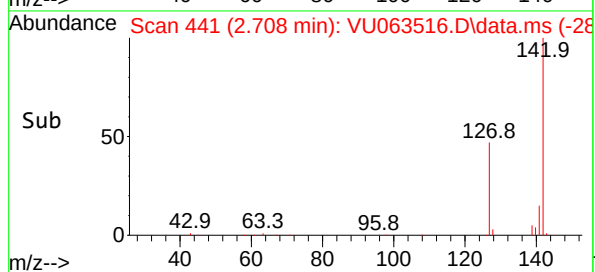
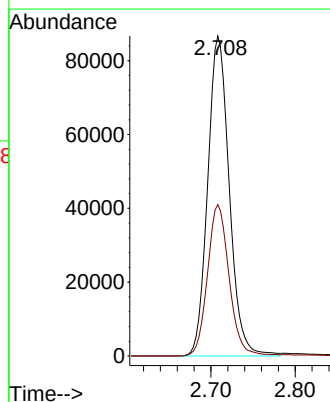
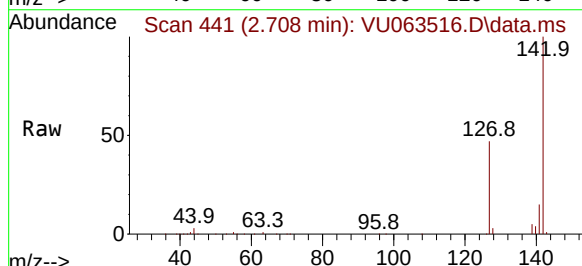
RT: 2.708 min Scan# 441

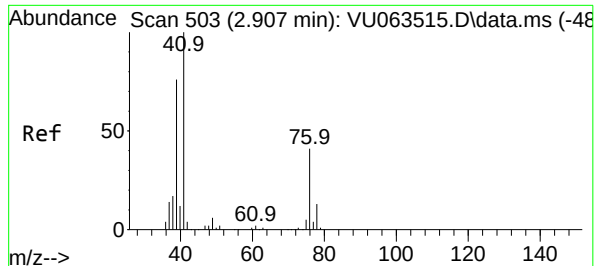
Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion:	142	Resp:	154304
Ion	Ratio	Lower	Upper
142	100		
127	48.2	37.9	56.9





#11

Allyl Chloride

Concen: 16.053 ug/l

RT: 2.908 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

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ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 149875

Ion Ratio Lower Upper

41 100

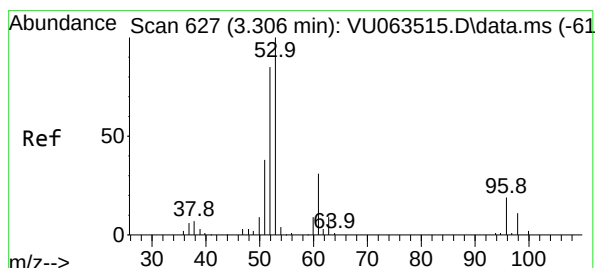
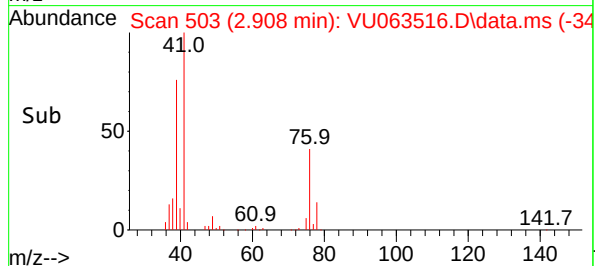
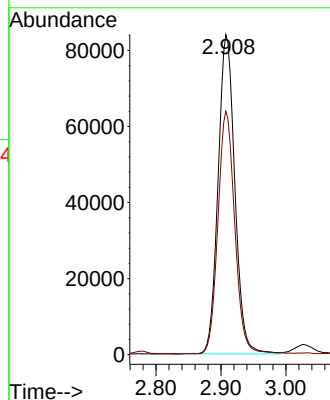
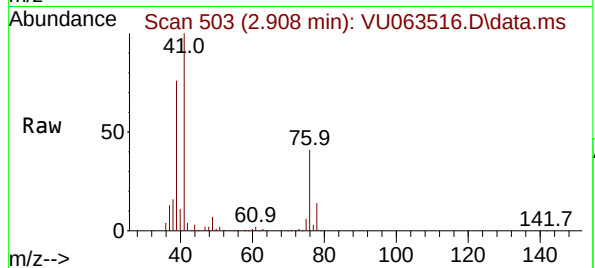
39 76.2 61.5 92.3

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#12

Acrylonitrile

Concen: 29.022 ug/l

RT: 3.303 min Scan# 626

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

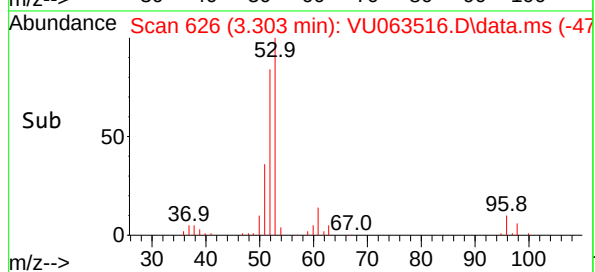
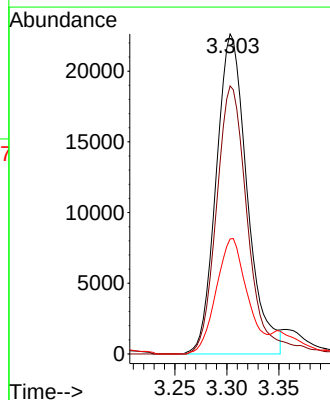
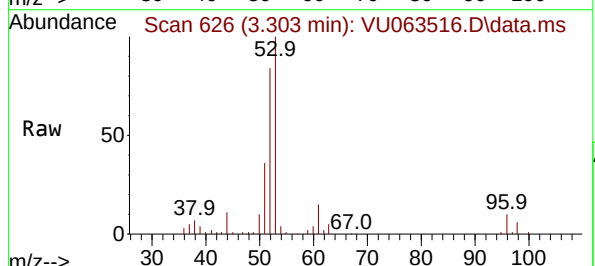
Tgt Ion: 53 Resp: 46936

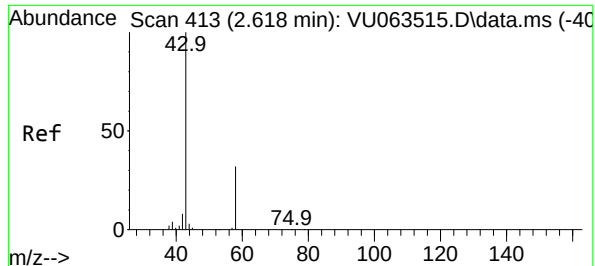
Ion Ratio Lower Upper

53 100

52 84.6 64.3 96.5

51 36.8 27.8 41.8





#13

Acetone

Concen: 88.245 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 11428

Ion Ratio Lower Upper

43

100

58

32.3

25.4

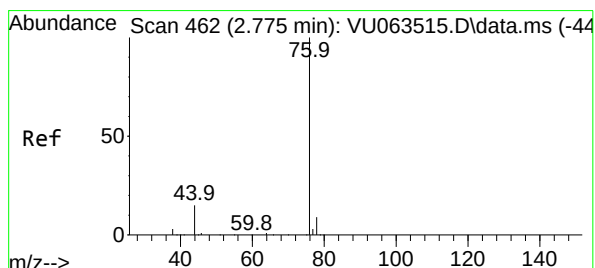
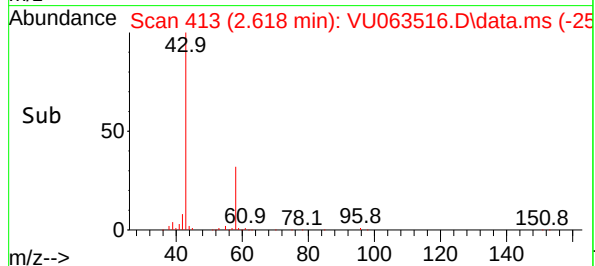
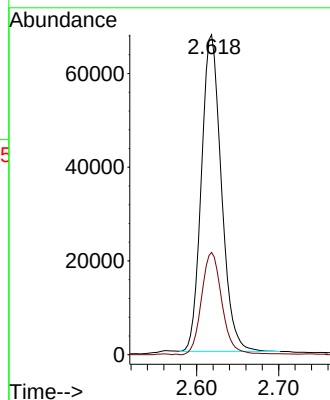
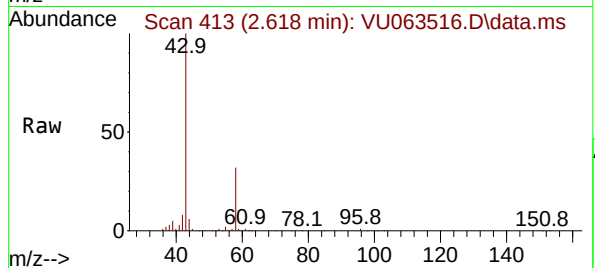
38.0

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#14

Carbon Disulfide

Concen: 16.100 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 76 Resp: 336090

Ion Ratio Lower Upper

76

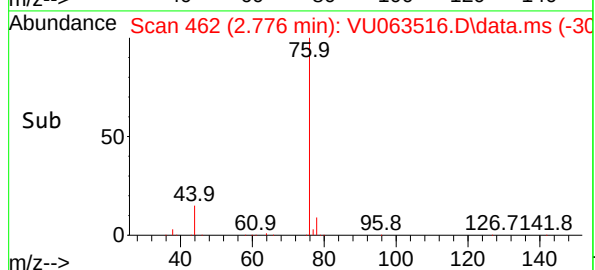
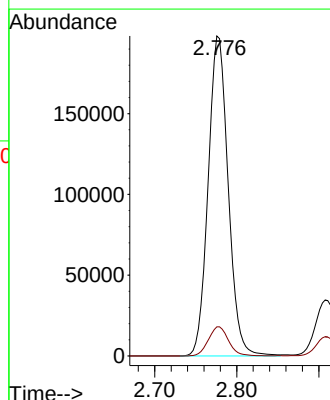
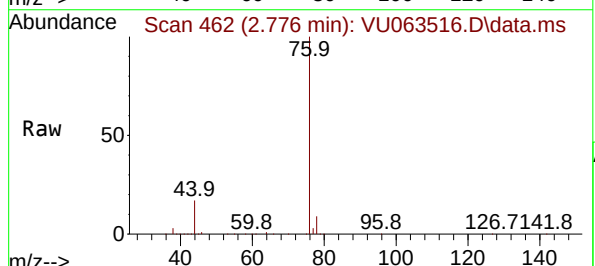
100

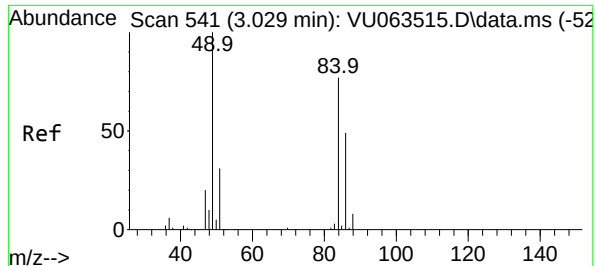
78

9.1

7.0

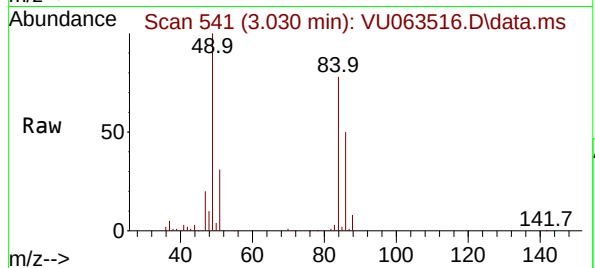
10.6





#15
Methylene Chloride
Concen: 15.136 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

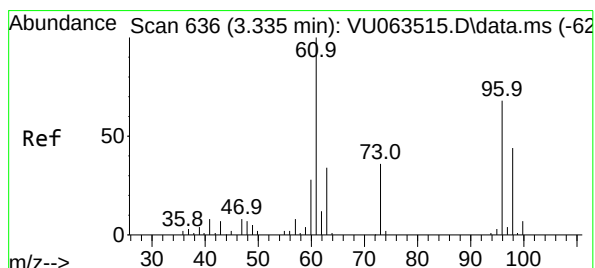
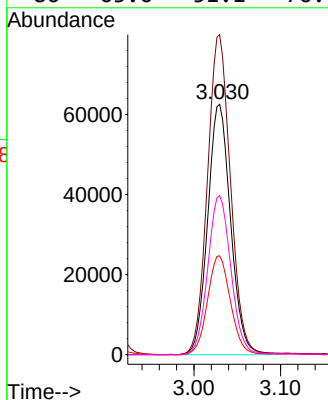
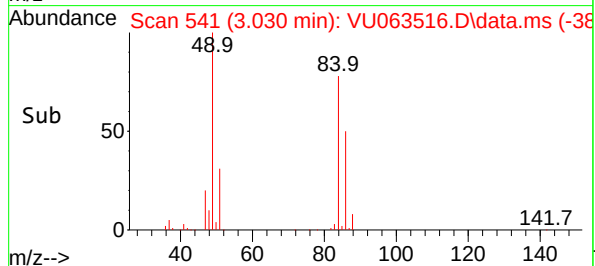
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 84 Resp: 115170
Ion Ratio Lower Upper
84 100
49 127.8 103.8 155.8
51 39.5 0.0 80.4
86 63.6 51.1 76.7

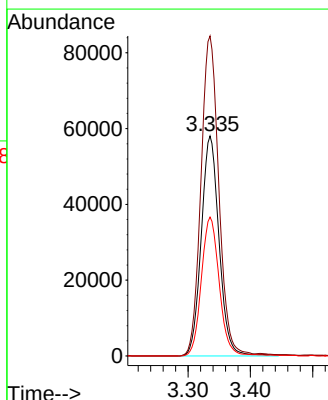
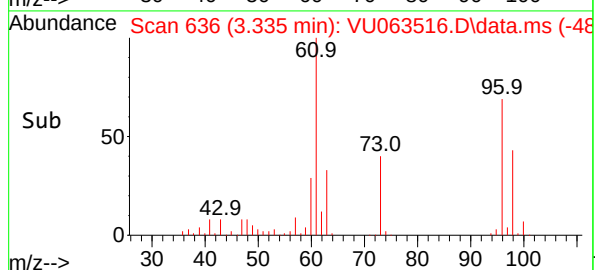
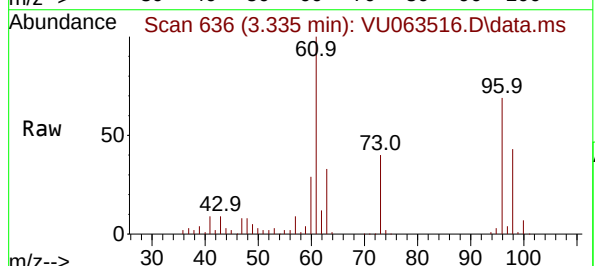
Manual Integrations
APPROVED

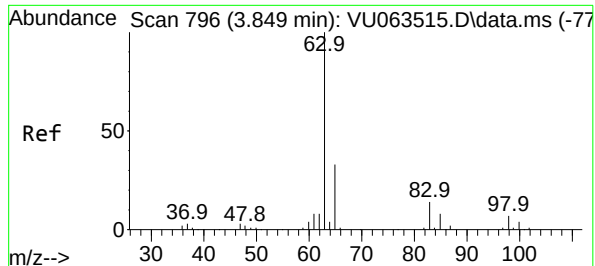
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#16
trans-1,2-Dichloroethene
Concen: 15.749 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 96 Resp: 115592
Ion Ratio Lower Upper
96 100
61 145.4 117.2 175.8
98 63.1 51.4 77.2





#17

1,1-Dichloroethane

Concen: 15.707 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 213678

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

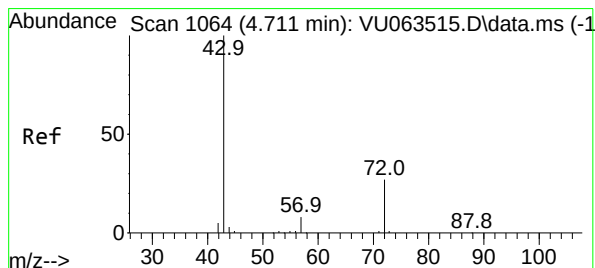
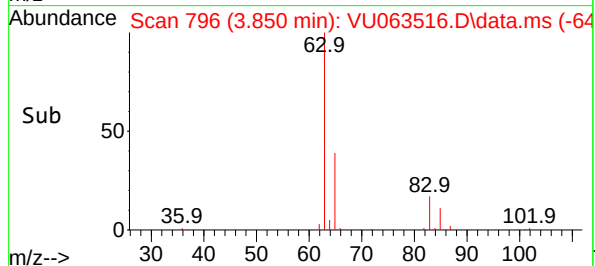
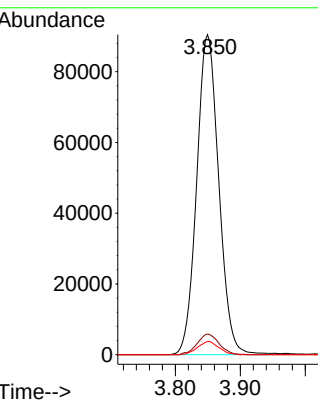
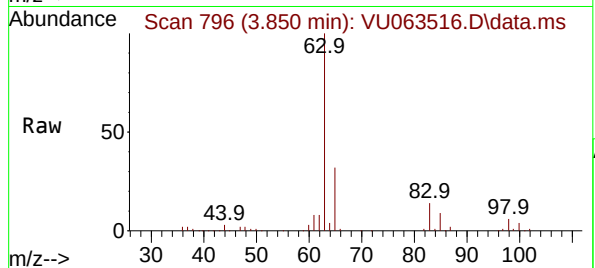
100 4.1 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 83.678 ug/l

RT: 4.708 min Scan# 1063

Delta R.T. -0.003 min

Lab File: VU063516.D

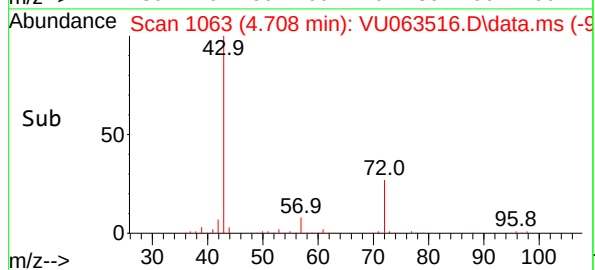
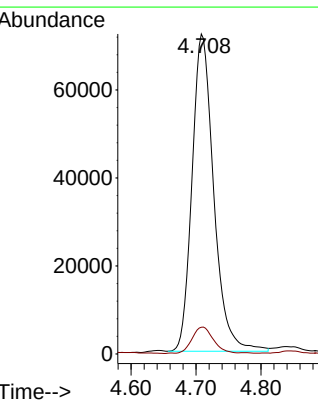
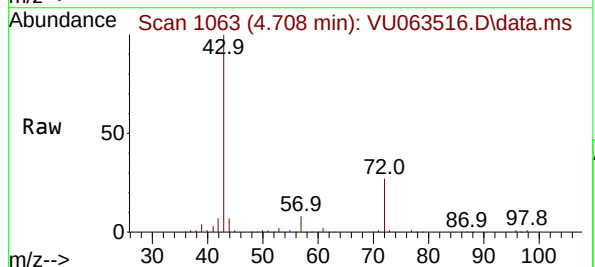
Acq: 16 Jul 2025 12:11

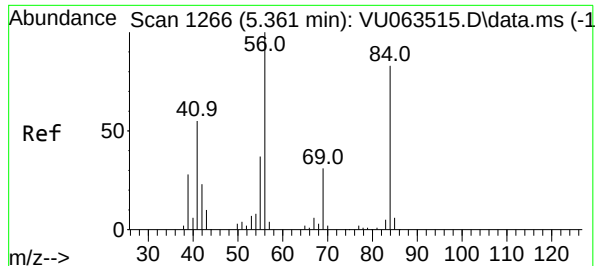
Tgt Ion: 43 Resp: 167820

Ion Ratio Lower Upper

43 100

57 8.2 0.0 16.4





#19

Cyclohexane

Concen: 15.697 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 56 Resp: 180800

Ion Ratio Lower Upper

56 100

69 33.4 26.6 39.8

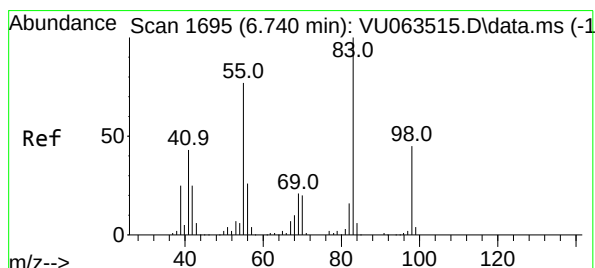
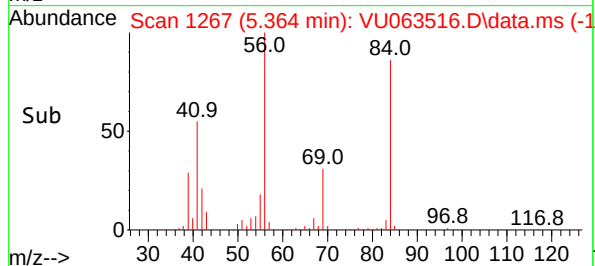
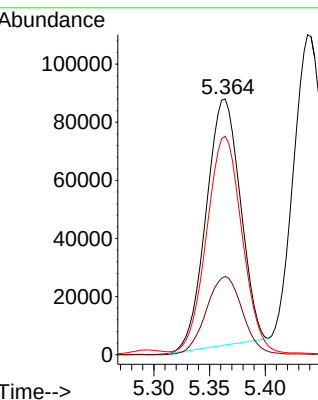
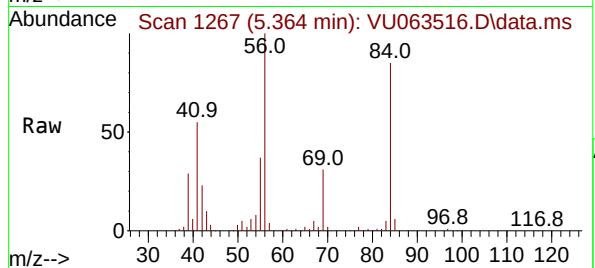
84 90.7 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 17.299 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

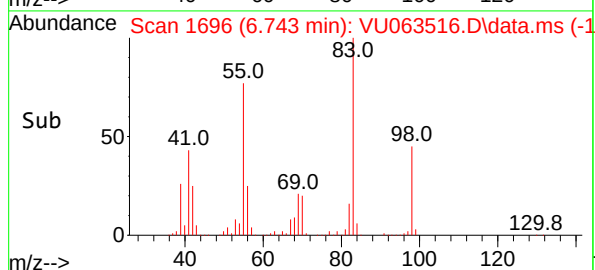
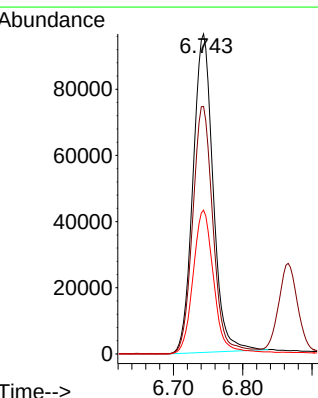
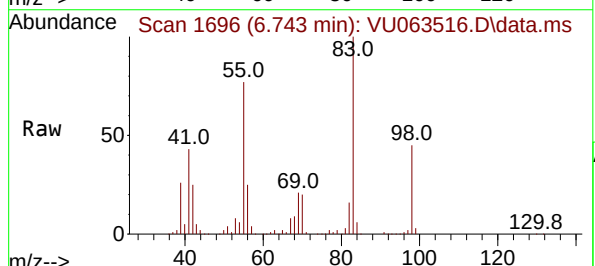
Tgt Ion: 83 Resp: 193667

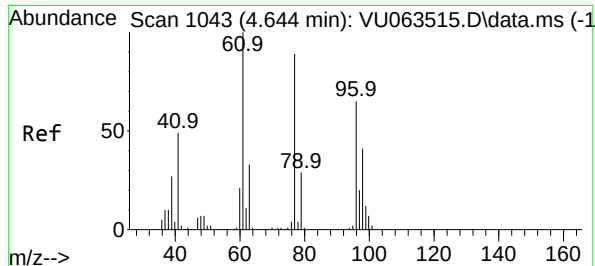
Ion Ratio Lower Upper

83 100

55 76.3 60.6 90.8

98 45.9 35.8 53.8





#21

2,2-Dichloropropane

Concen: 15.761 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 77 Resp: 18258

Ion Ratio Lower Upper

77 100

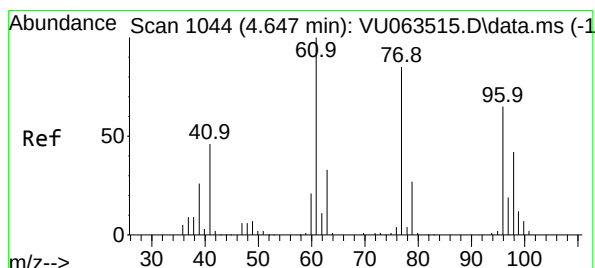
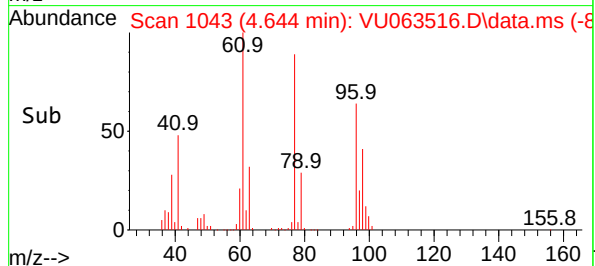
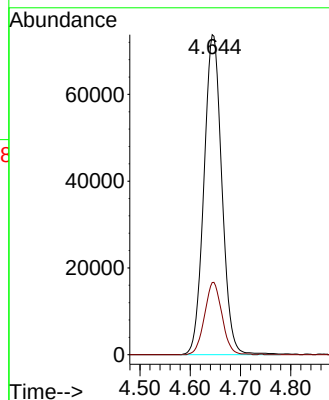
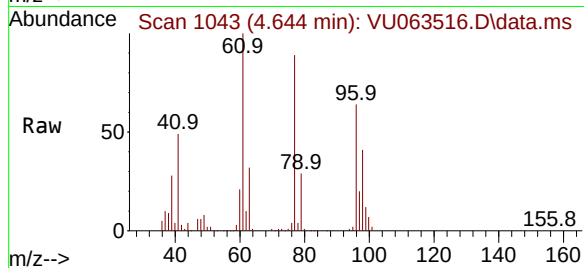
97 22.0 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 15.711 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

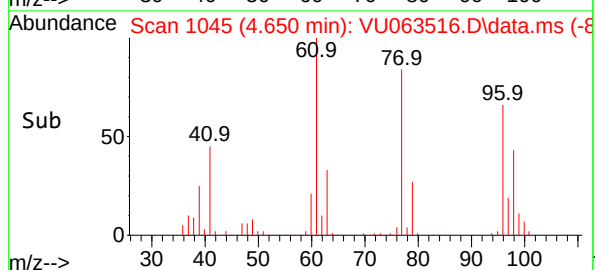
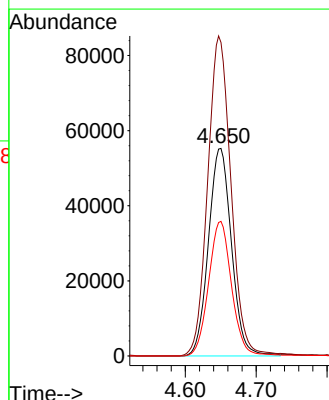
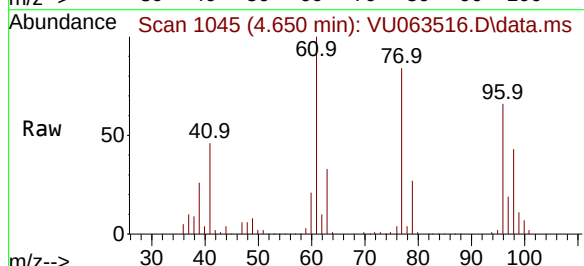
Tgt Ion: 96 Resp: 125136

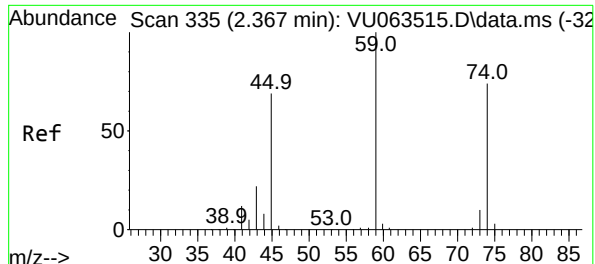
Ion Ratio Lower Upper

96 100

61 156.1 0.0 384.7

98 64.6 32.1 96.3





#23

Diethyl Ether

Concen: 16.184 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 79700

Ion Ratio Lower Upper

59 100

45 68.9 55.1 82.7

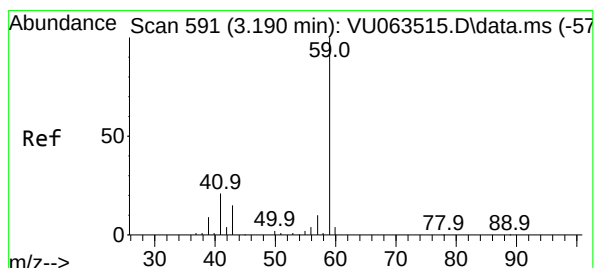
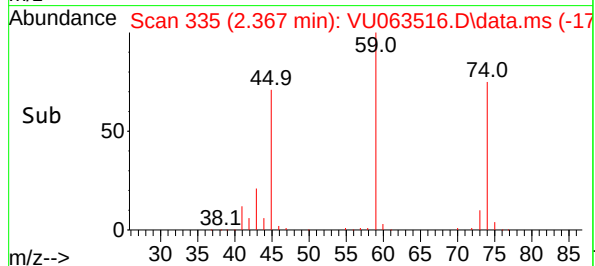
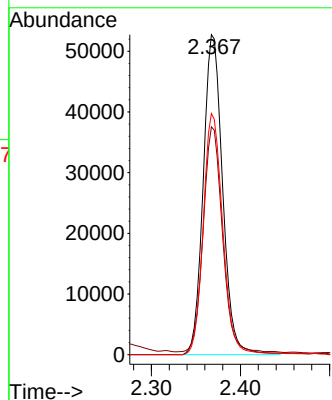
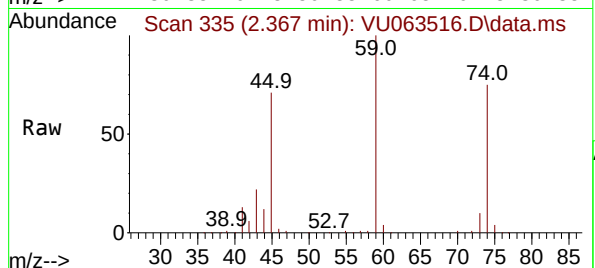
74 76.0 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 160.102 ug/l

RT: 3.187 min Scan# 590

Delta R.T. -0.003 min

Lab File: VU063516.D

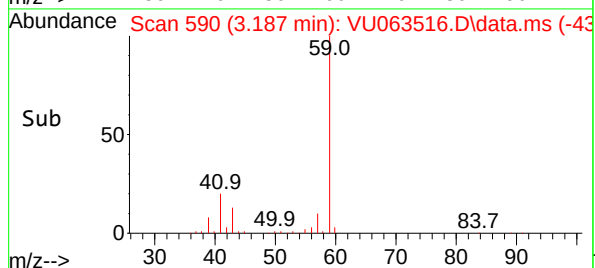
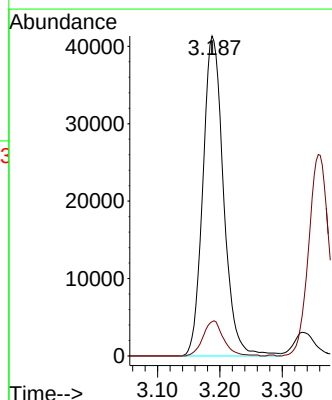
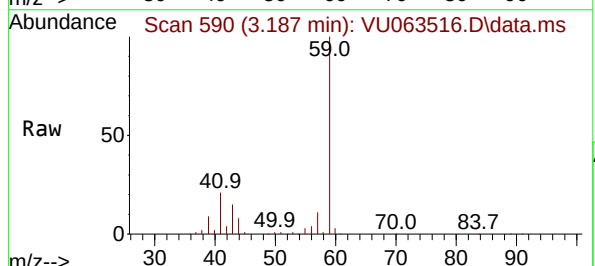
Acq: 16 Jul 2025 12:11

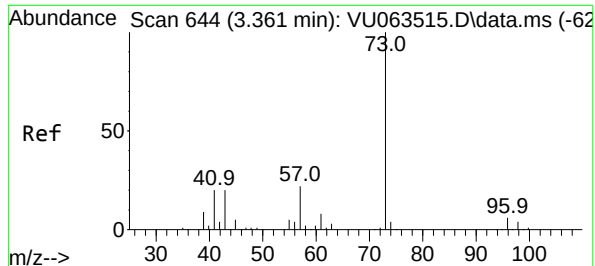
Tgt Ion: 59 Resp: 95177

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8





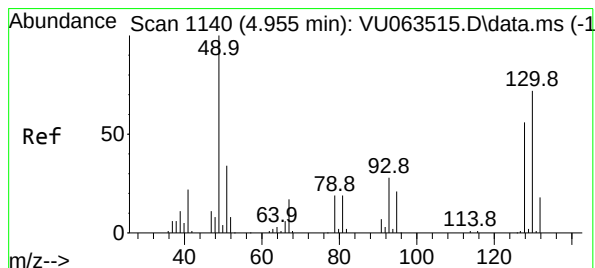
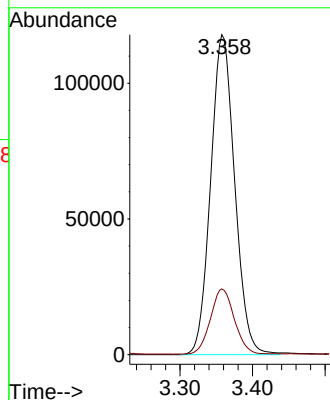
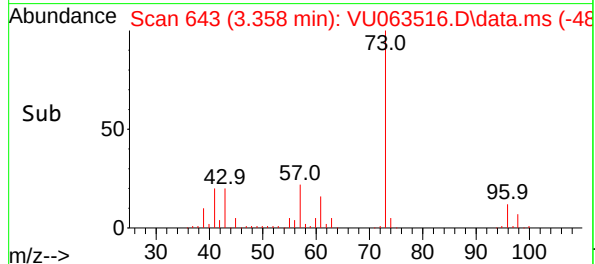
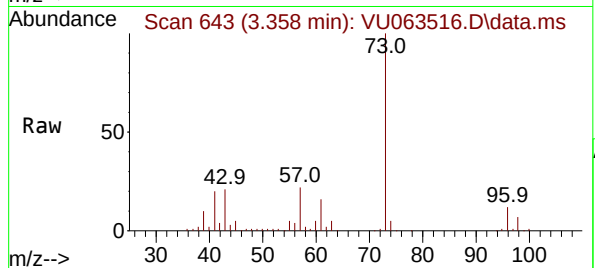
#25
Methyl tert-Butyl Ether
Concen: 16.090 ug/l
RT: 3.358 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 73 Resp: 271458
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2

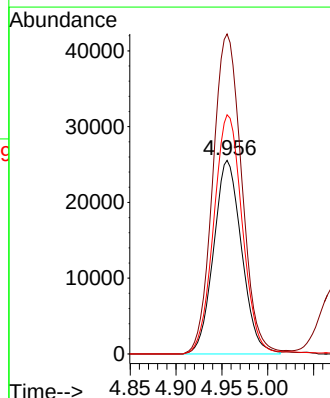
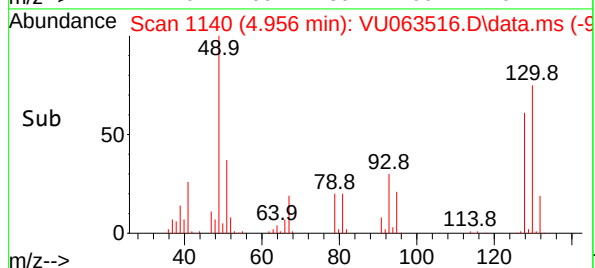
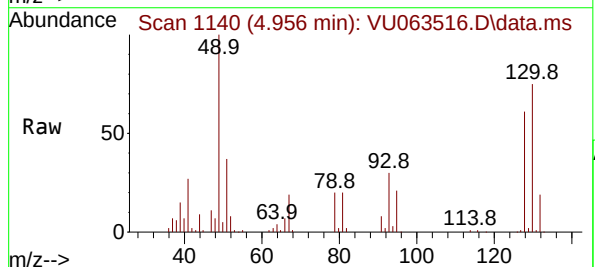
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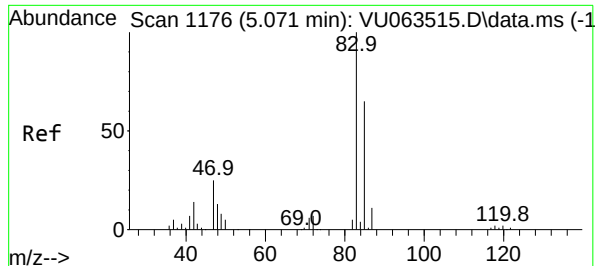
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#26
Bromochloromethane
Concen: 16.299 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion:128 Resp: 54202
Ion Ratio Lower Upper
128 100
49 170.9 0.0 340.8
130 127.0 100.5 150.7





#27

Chloroform

Concen: 15.691 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 21782

Ion Ratio Lower Upper

83 100

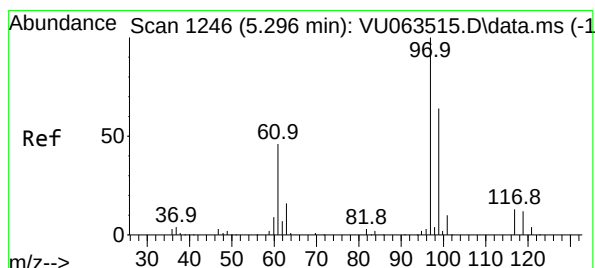
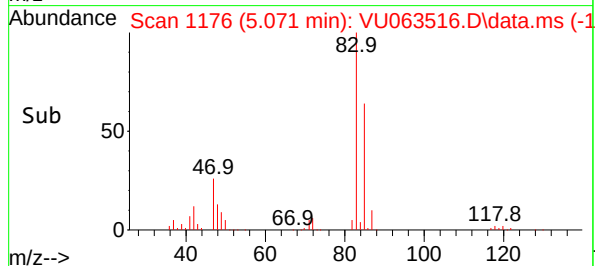
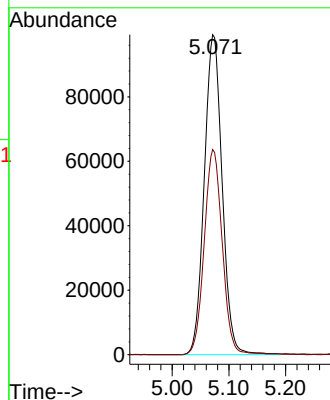
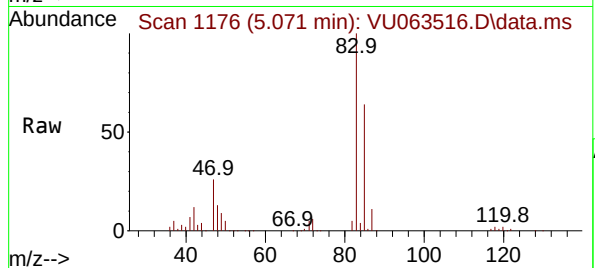
85 64.1 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 16.005 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

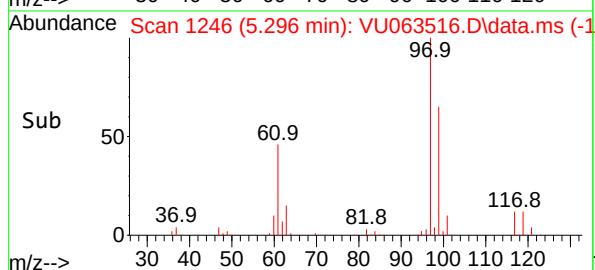
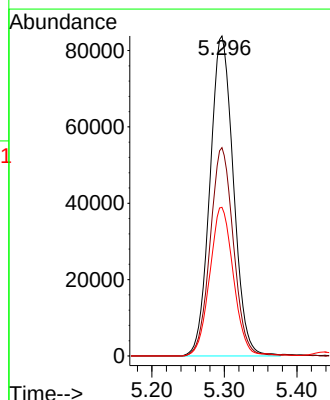
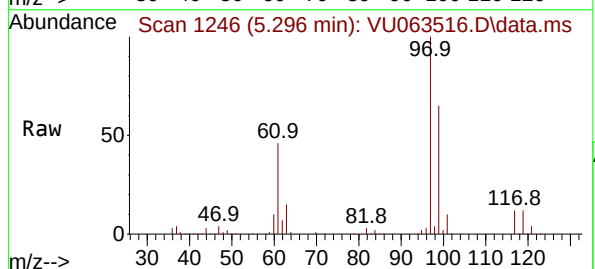
Tgt Ion: 97 Resp: 188574

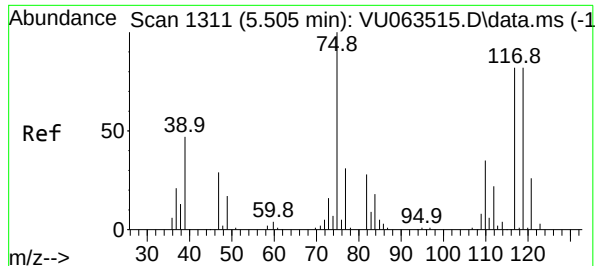
Ion Ratio Lower Upper

97 100

99 64.7 31.8 95.3

61 46.7 23.3 69.9





#29

1,1-Dichloropropene

Concen: 16.004 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 17467

Ion Ratio Lower Upper

75 100

110 34.3 17.8 53.4

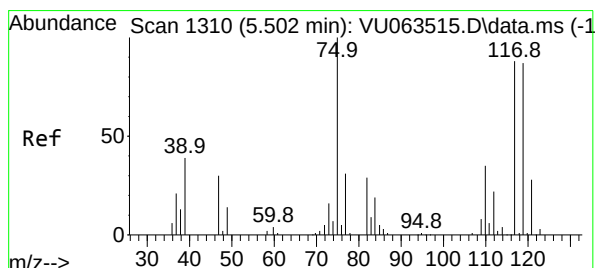
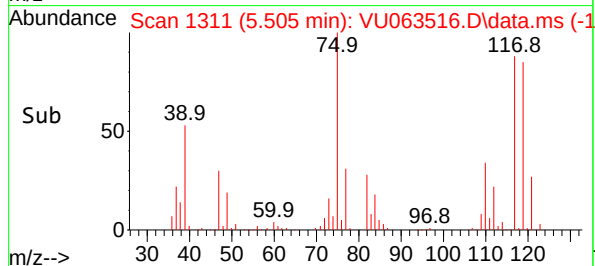
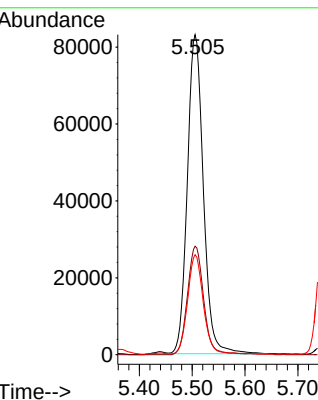
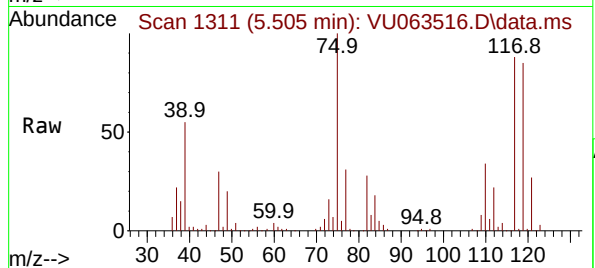
77 30.1 24.6 37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 17.113 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

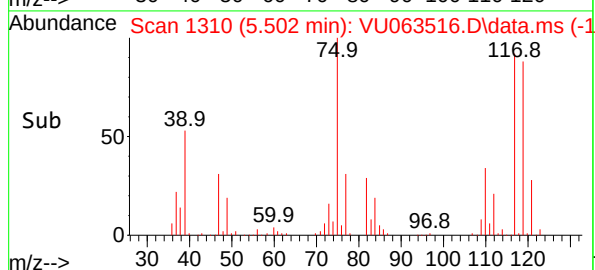
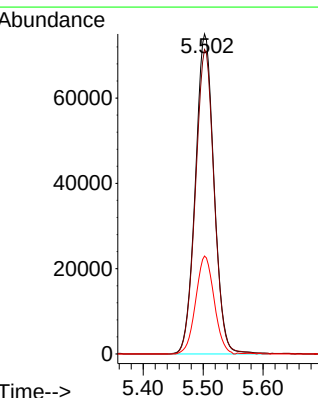
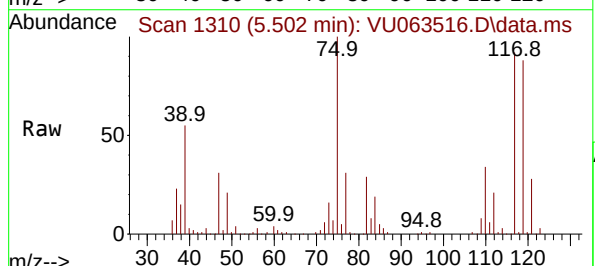
Tgt Ion:117 Resp: 162285

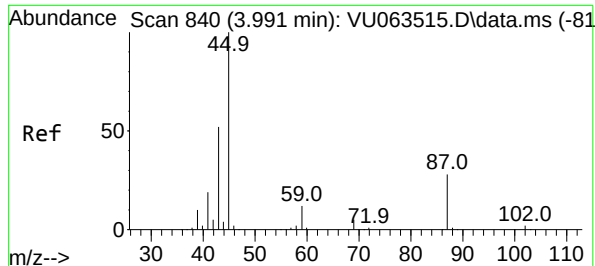
Ion Ratio Lower Upper

117 100

119 95.1 79.2 118.8

121 30.6 25.5 38.3





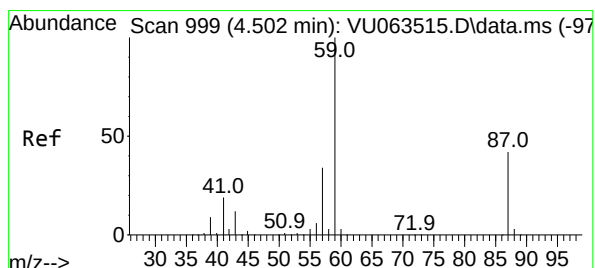
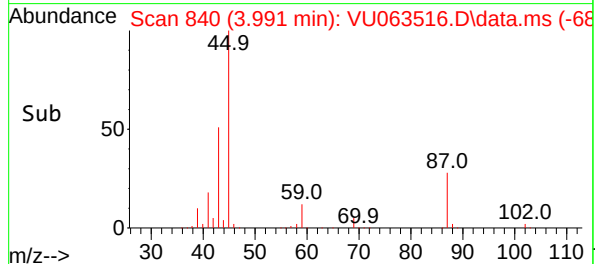
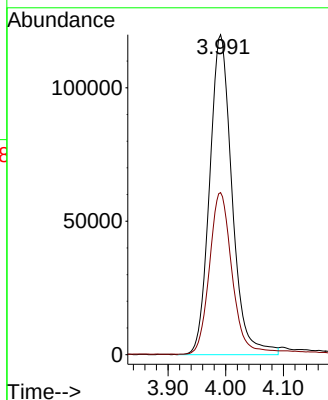
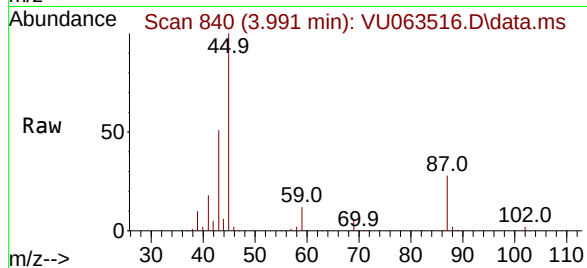
#31
Isopropyl Ether
Concen: 15.772 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 323879
Ion Ratio Lower Upper
45 100
43 52.5 25.7 77.0

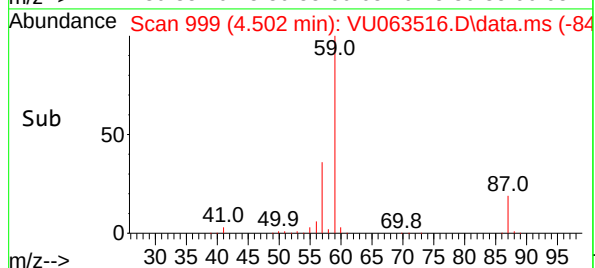
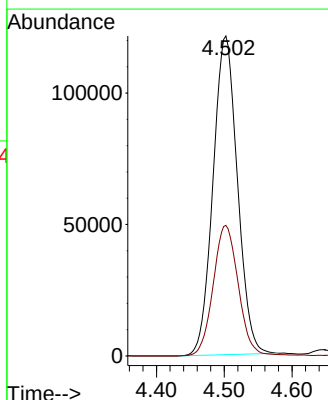
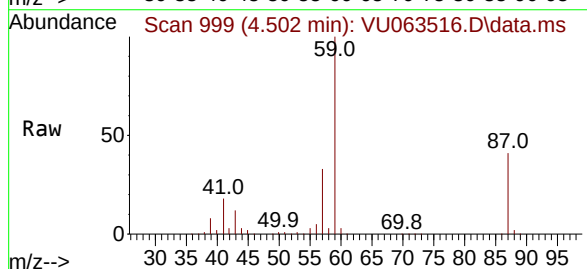
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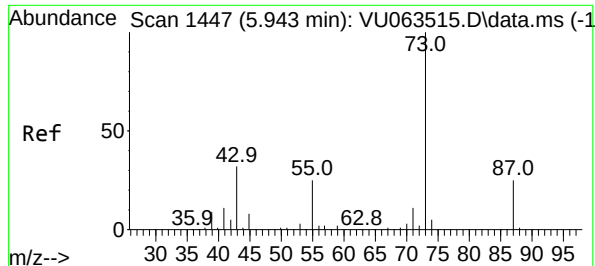
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#32
Ethyl-t-butyl ether
Concen: 15.939 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

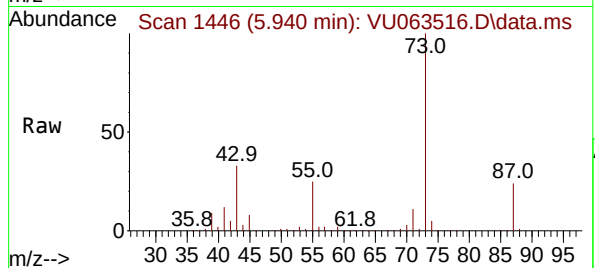
Tgt Ion: 59 Resp: 302903
Ion Ratio Lower Upper
59 100
87 41.8 32.6 49.0





#33
Tert-Amyl methyl ether
Concen: 16.283 ug/l
RT: 5.940 min Scan# 1447
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

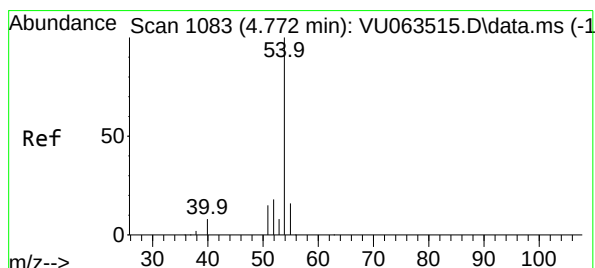
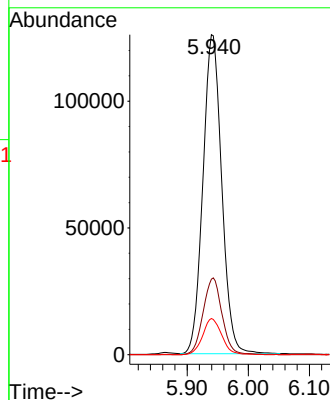
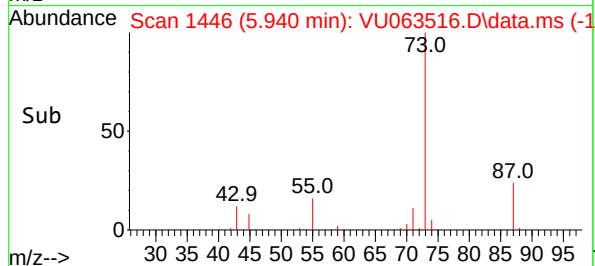
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



Tgt Ion: 73 Resp: 268560
Ion Ratio Lower Upper
73 100
87 24.0 19.4 29.2
71 11.5 8.9 13.3

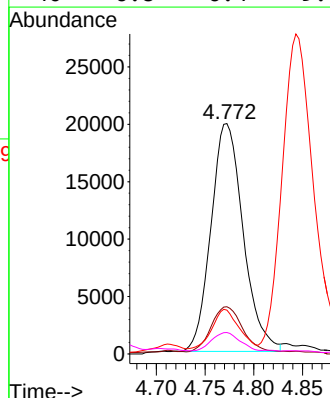
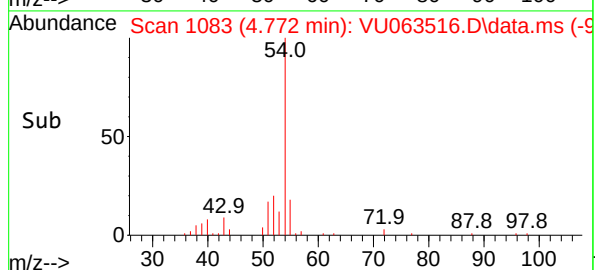
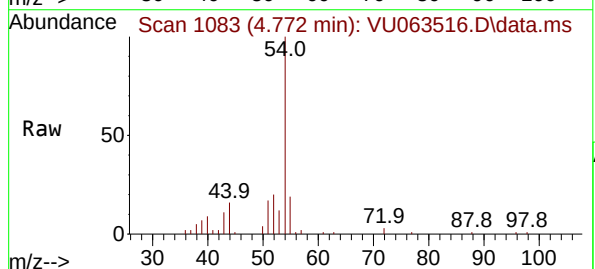
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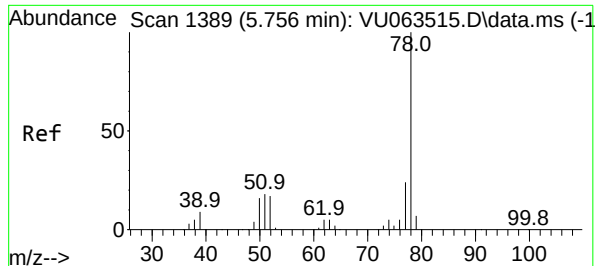
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34
Propionitrile
Concen: 74.722 ug/l
RT: 4.772 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 54 Resp: 45659
Ion Ratio Lower Upper
54 100
52 19.3 17.0 25.4
55 16.3 13.6 20.4
40 6.8 6.4 9.6





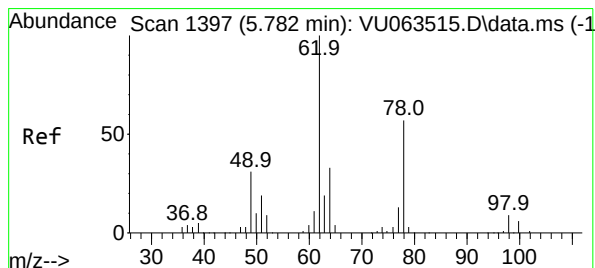
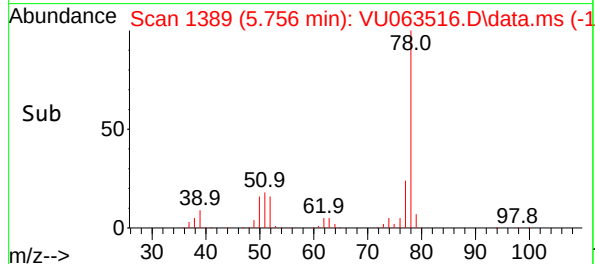
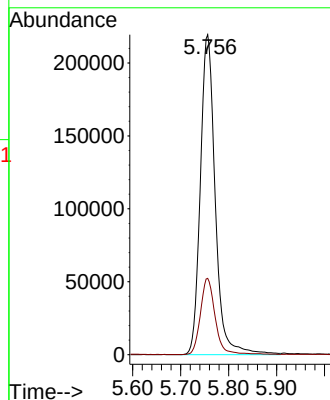
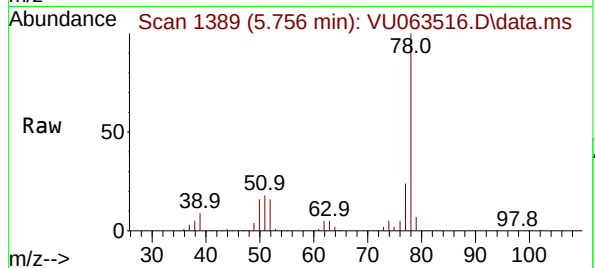
#35
Benzene
Concen: 16.153 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion: 78 Resp: 47368
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.2

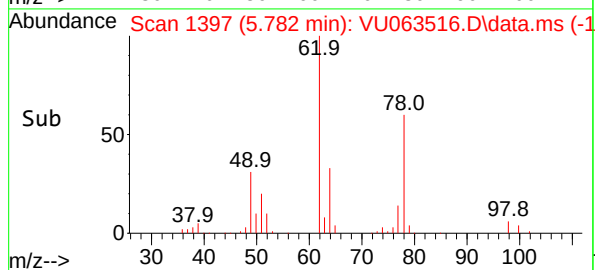
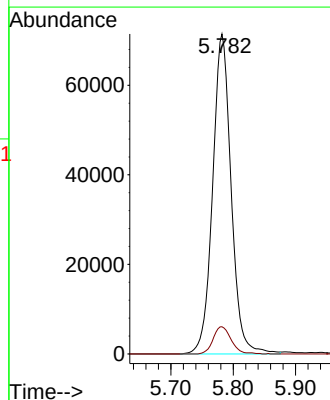
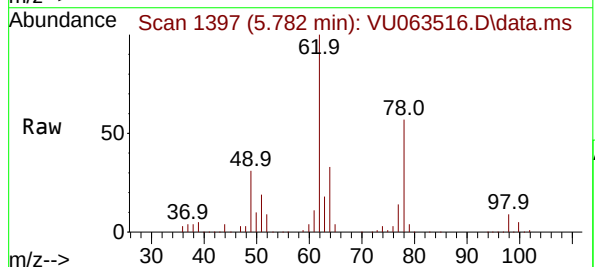
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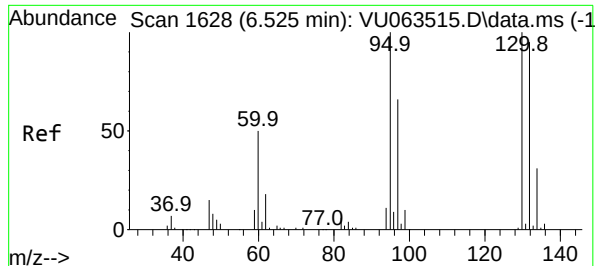
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 16.165 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion: 62 Resp: 147295
Ion Ratio Lower Upper
62 100
98 8.3 6.4 9.6





#37

Trichloroethene

Concen: 17.198 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:130 Resp: 128670

Ion Ratio Lower Upper

130 100

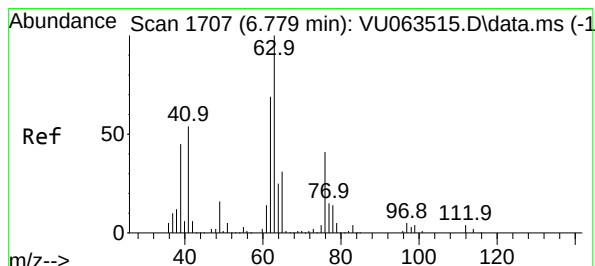
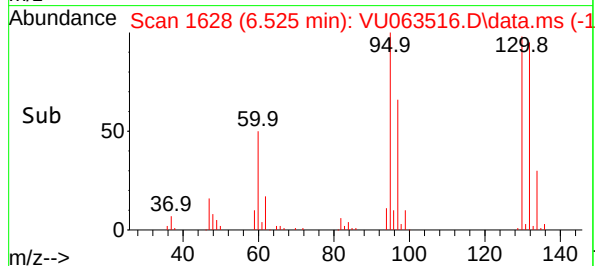
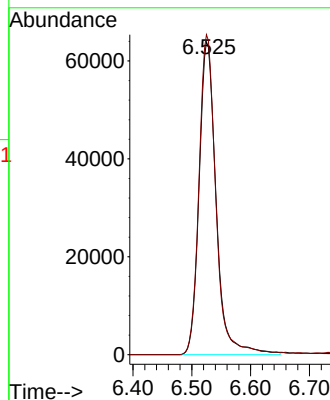
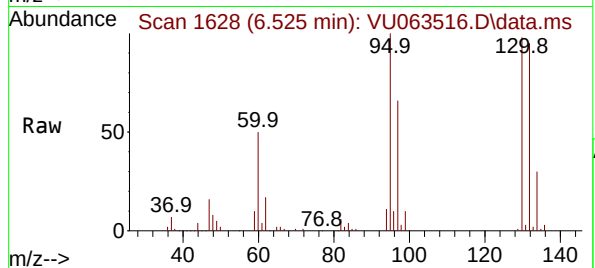
95 102.3 80.3 120.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 18.188 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063516.D

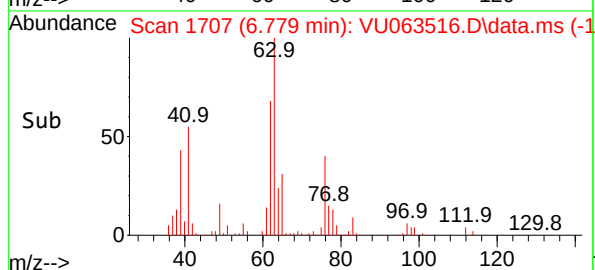
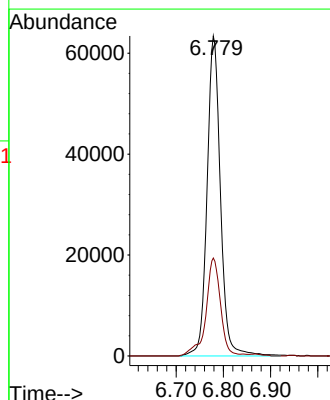
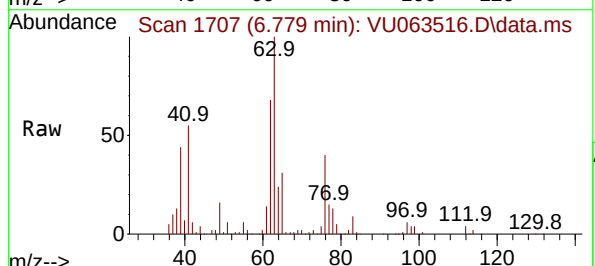
Acq: 16 Jul 2025 12:11

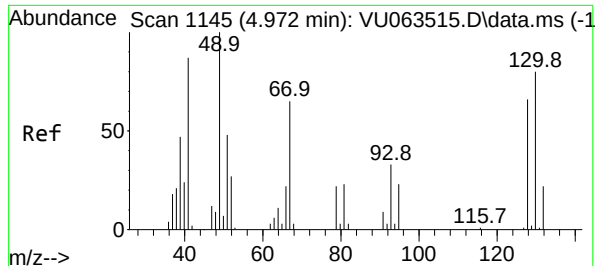
Tgt Ion: 63 Resp: 124831

Ion Ratio Lower Upper

63 100

65 30.6 24.6 36.8





#39

Methacrylonitrile

Concen: 14.730 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 3951

Ion Ratio Lower Upper

41 100

67 77.9 62.7 94.1

39 55.8 43.1 64.7

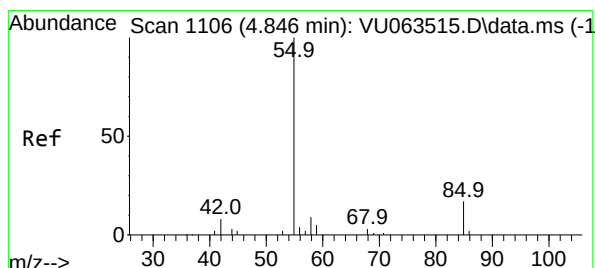
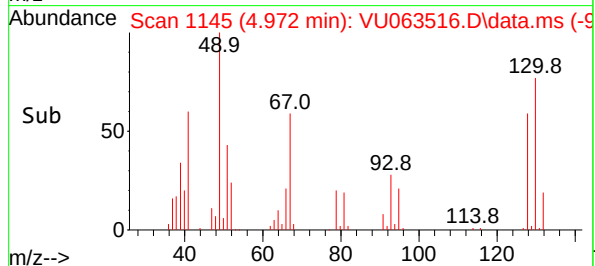
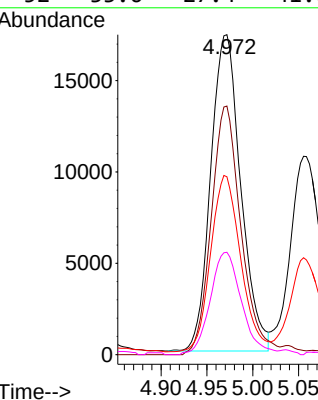
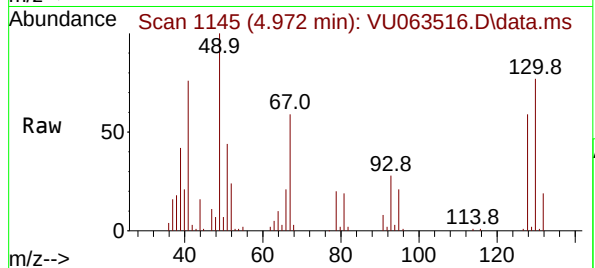
52 33.6 27.4 41.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 16.402 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 55 Resp: 65123

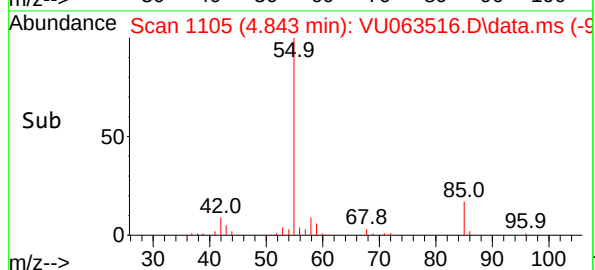
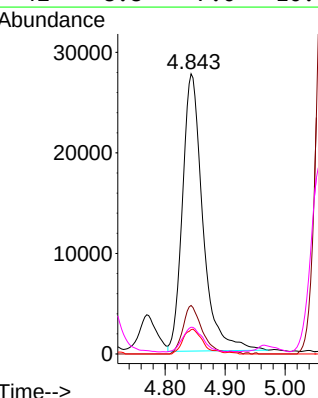
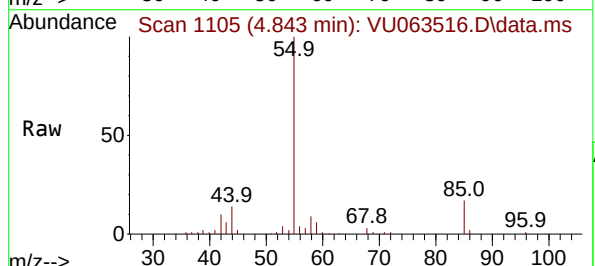
Ion Ratio Lower Upper

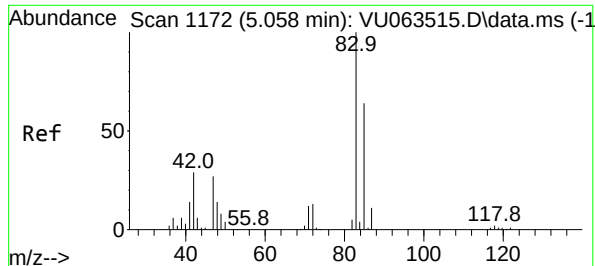
55 100

85 16.8 12.8 19.2

58 8.7 7.0 10.4

42 8.8 7.0 10.4





#41

Tetrahydrofuran

Concen: 28.595 ug/l

RT: 5.059 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

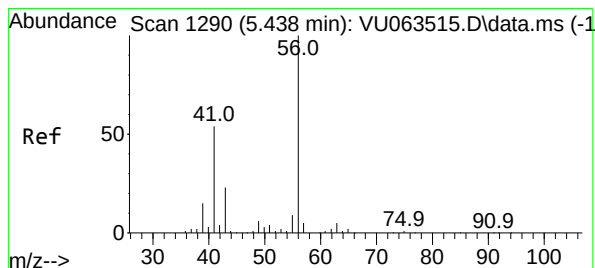
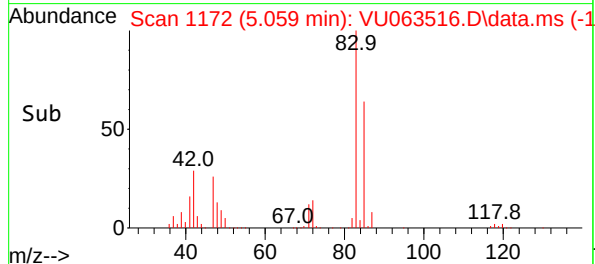
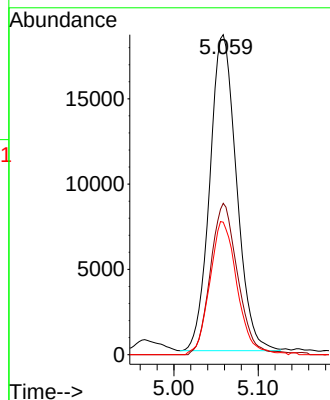
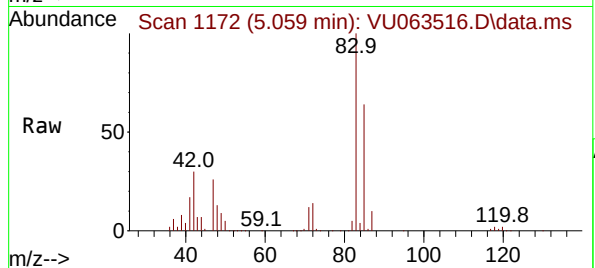
ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 40858
Ion Ratio Lower Upper
42 100
72 49.0 39.2 58.8
71 43.0 34.8 52.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 15.991 ug/l

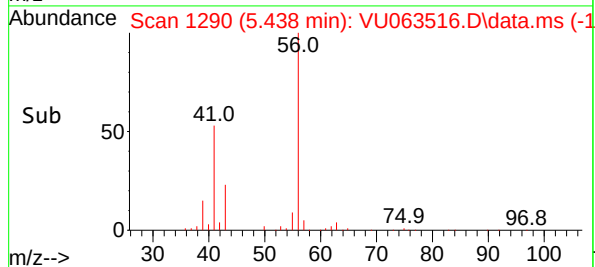
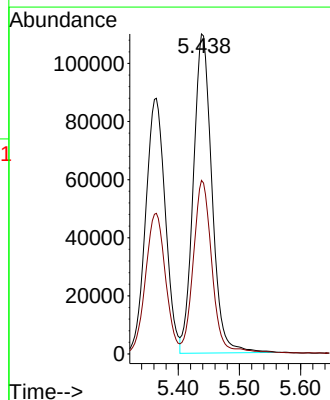
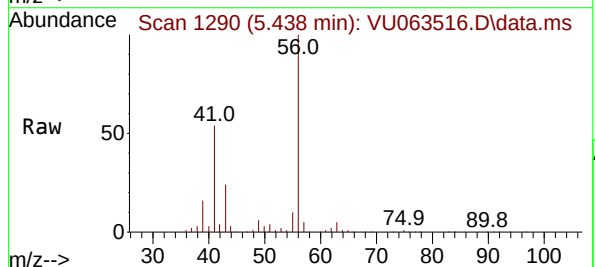
RT: 5.438 min Scan# 1290

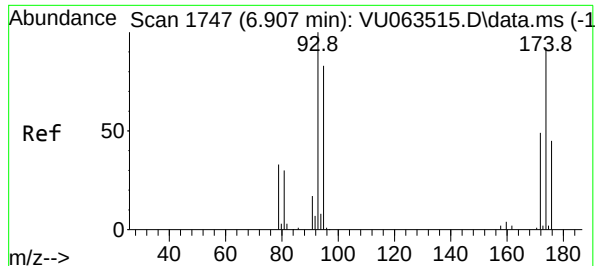
Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 56 Resp: 232046
Ion Ratio Lower Upper
56 100
41 54.1 26.7 80.0





#43

Dibromomethane

Concen: 17.639 ug/l

RT: 6.904 min Scan# 1746

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 93 Resp: 62710

Ion Ratio Lower Upper

93 100

95 84.7 67.9 101.9

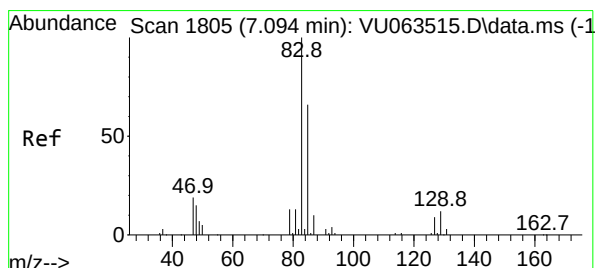
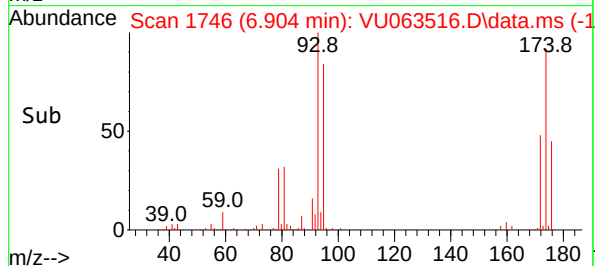
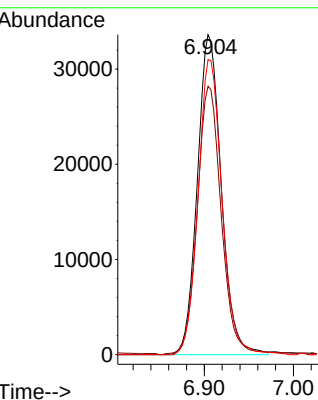
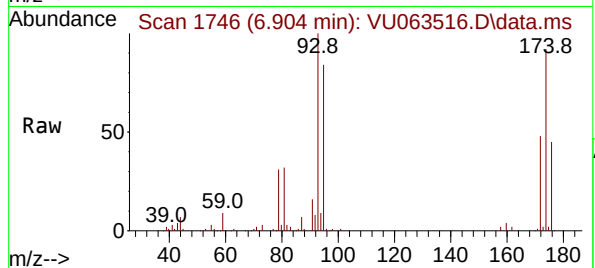
174 92.1 74.6 111.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 18.058 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

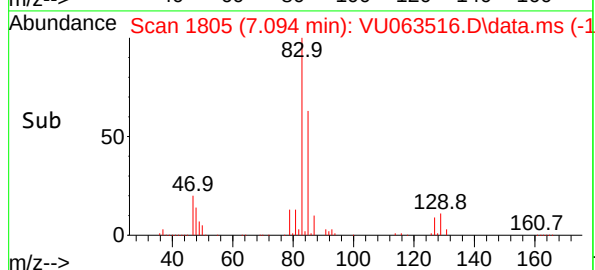
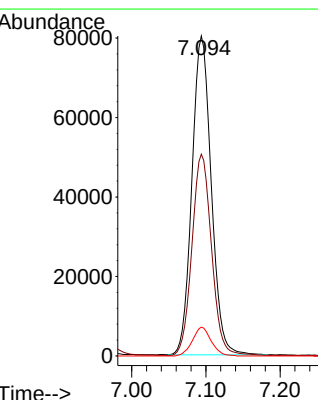
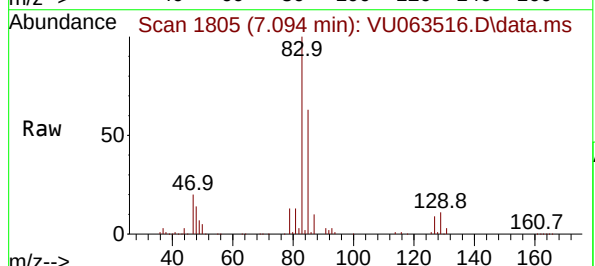
Tgt Ion: 83 Resp: 144794

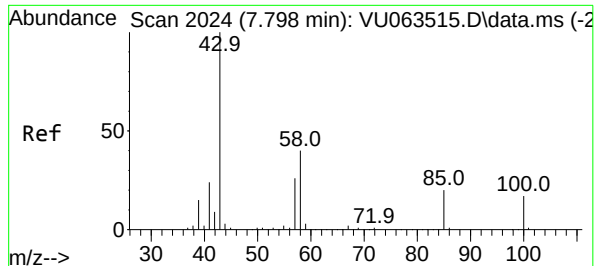
Ion Ratio Lower Upper

83 100

85 63.1 52.7 79.1

127 9.0 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 84.821 ug/l

RT: 7.795 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 31082

Ion Ratio Lower Upper

43 100

58 39.8 20.0 60.0

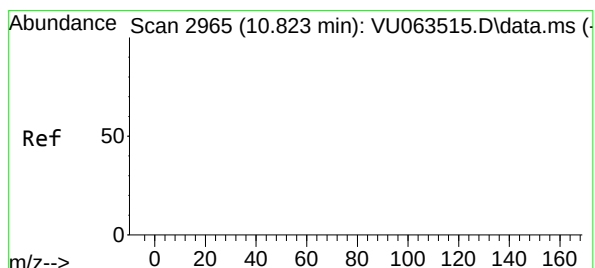
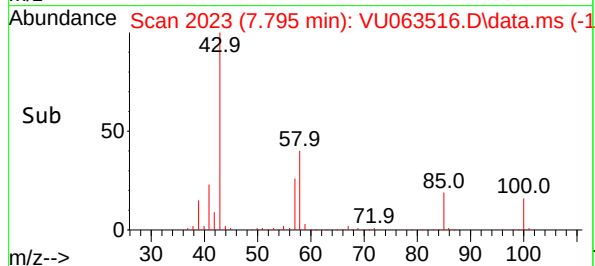
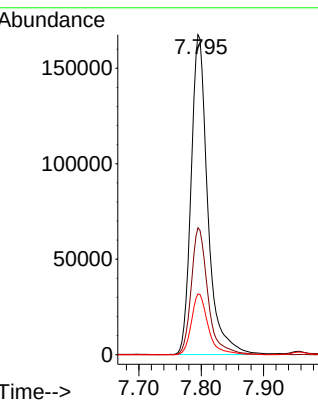
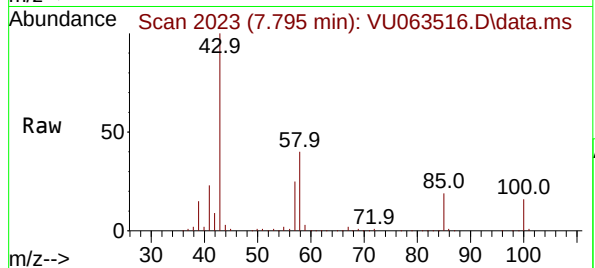
85 19.1 15.4 23.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 32.085 ug/l m

RT: 10.824 min Scan# 2965

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 75 Resp: 41713

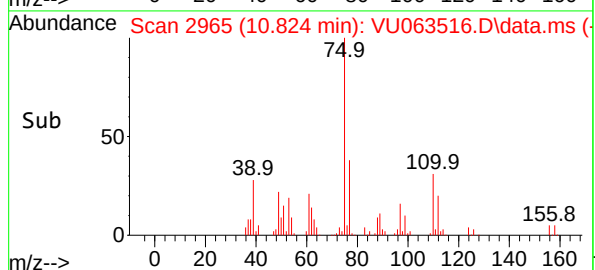
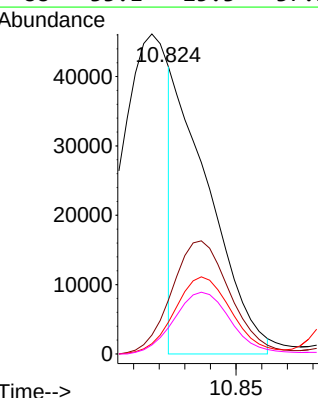
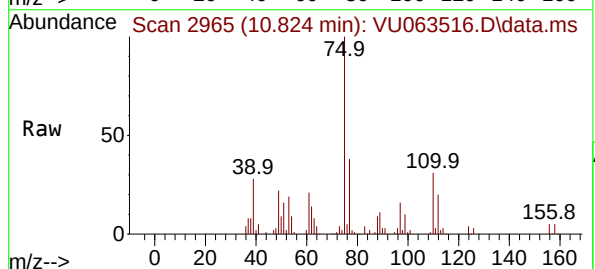
Ion Ratio Lower Upper

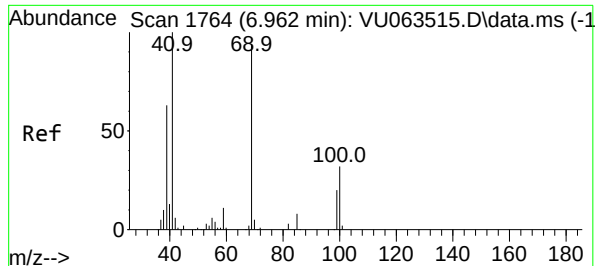
75 100

53 62.2 48.4 72.6

89 41.5 30.6 45.8

88 33.1 25.3 37.9





#47

Methyl methacrylate

Concen: 38.417 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 69 Resp: 114710

Ion Ratio Lower Upper

69 100

41 114.4 0.0 224.0

39 71.0 55.3 82.9

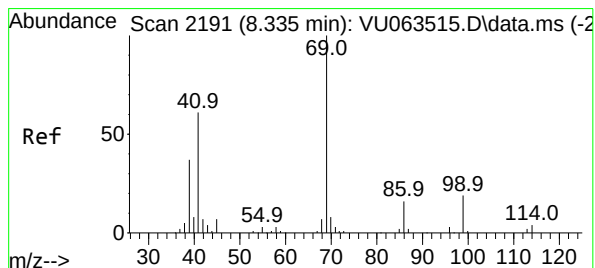
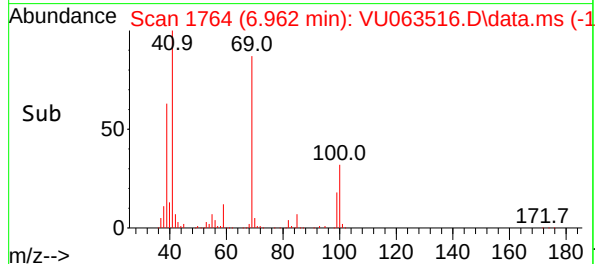
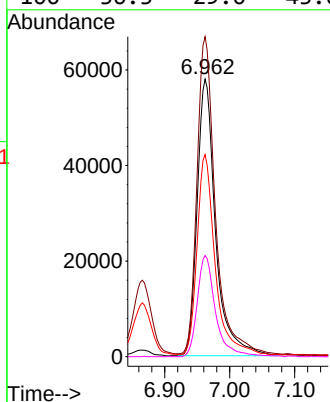
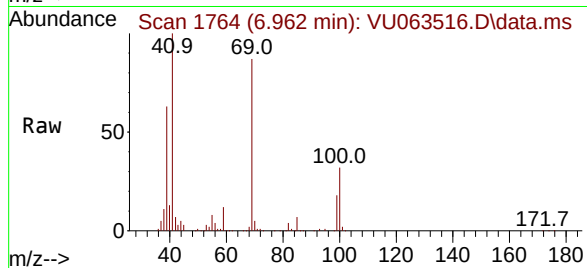
100 36.3 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 17.728 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063516.D

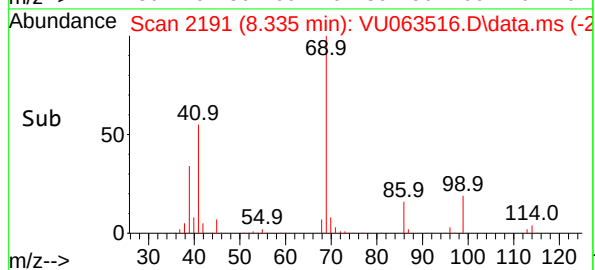
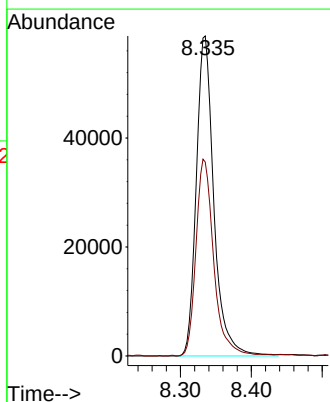
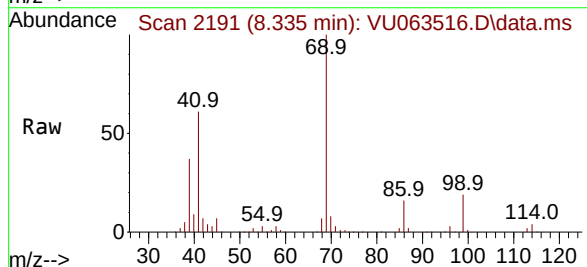
Acq: 16 Jul 2025 12:11

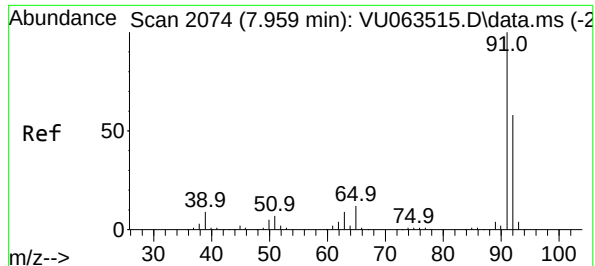
Tgt Ion: 69 Resp: 101021

Ion Ratio Lower Upper

69 100

41 62.2 30.8 92.4





#49

Toluene

Concen: 16.751 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 92 Resp: 26820

Ion Ratio Lower Upper

92 100

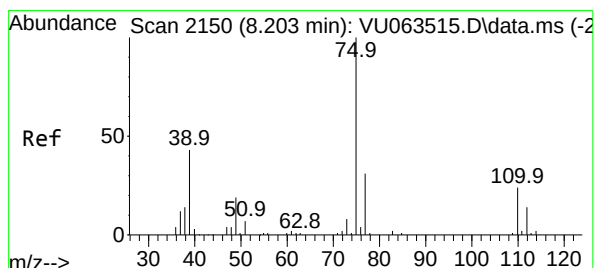
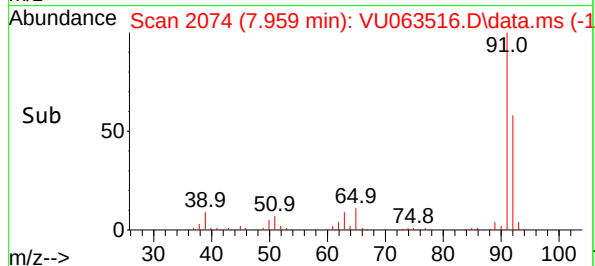
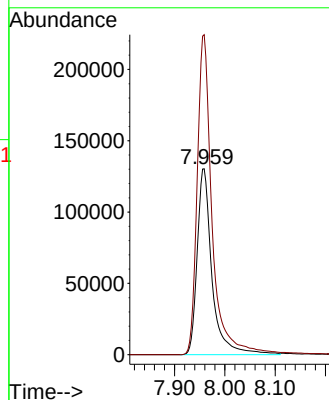
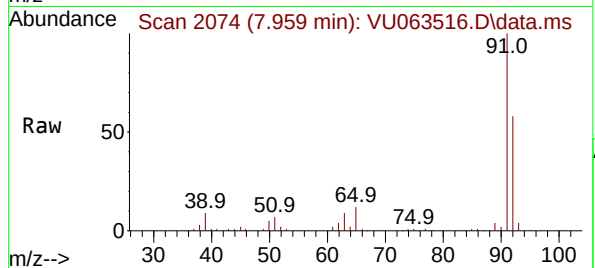
91 173.9 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 18.597 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063516.D

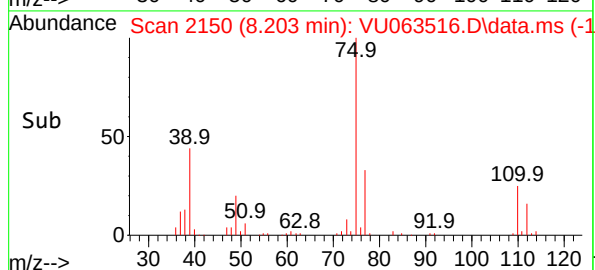
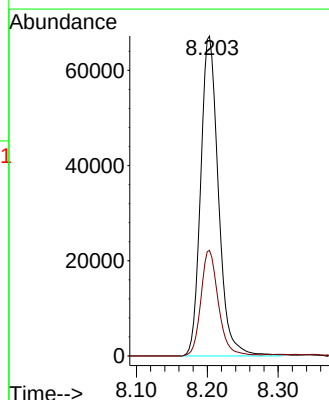
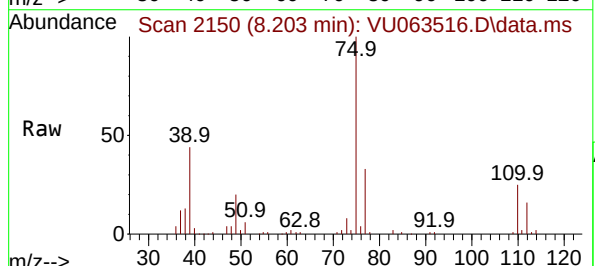
Acq: 16 Jul 2025 12:11

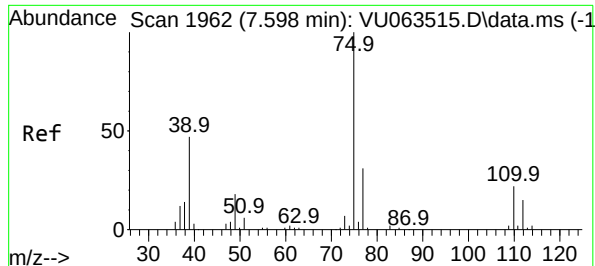
Tgt Ion: 75 Resp: 116990

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 20.004 ug/l

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 168909

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

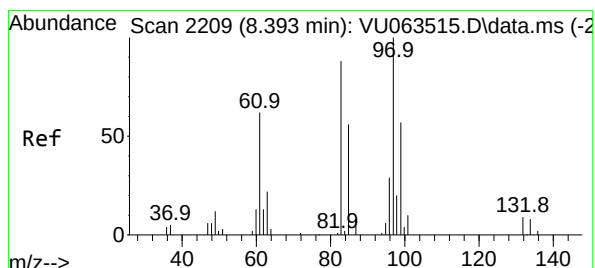
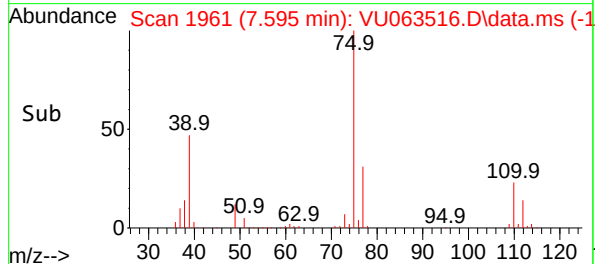
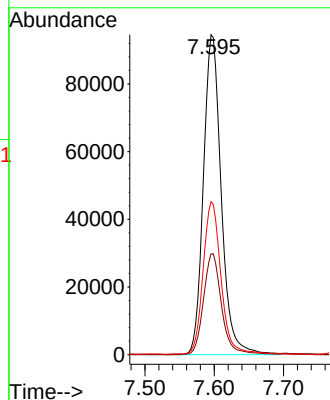
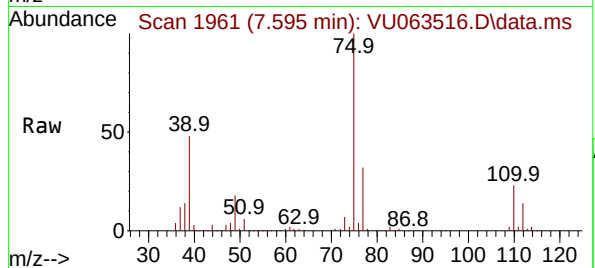
39 47.5 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 16.480 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 97 Resp: 78885

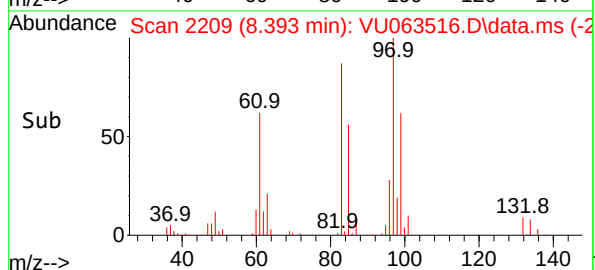
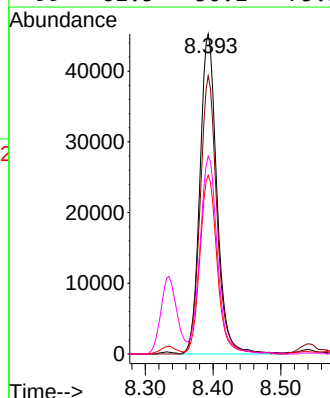
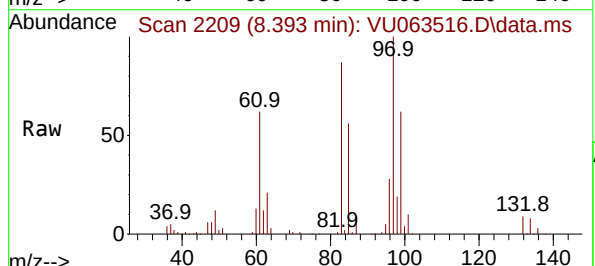
Ion Ratio Lower Upper

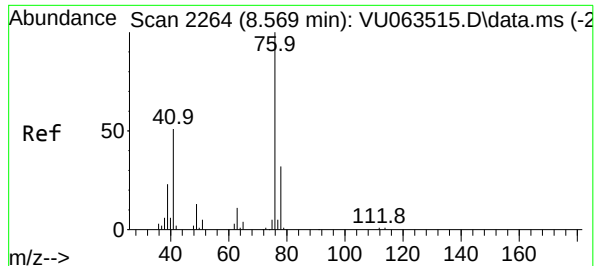
97 100

83 86.9 70.2 105.2

85 55.9 45.2 67.8

99 61.5 50.1 75.1





#53

1,3-Dichloropropane

Concen: 16.441 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 135862

Ion Ratio Lower Upper

76 100

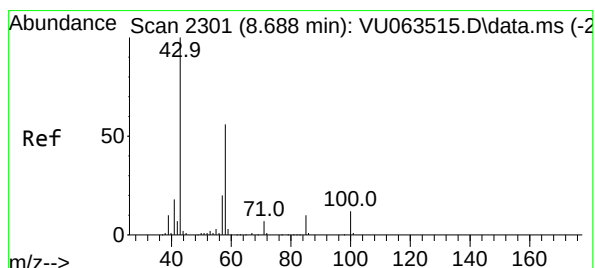
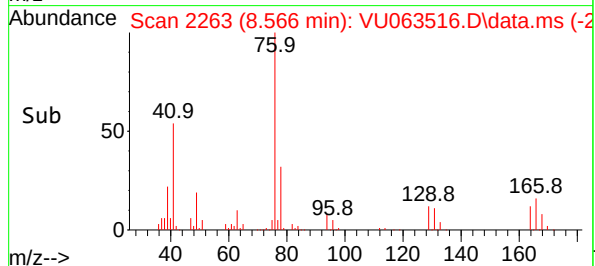
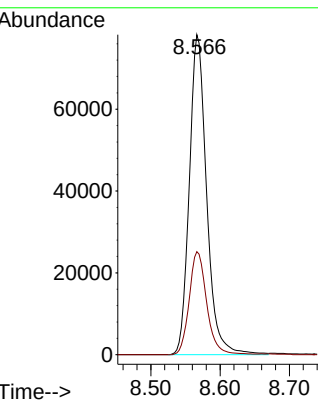
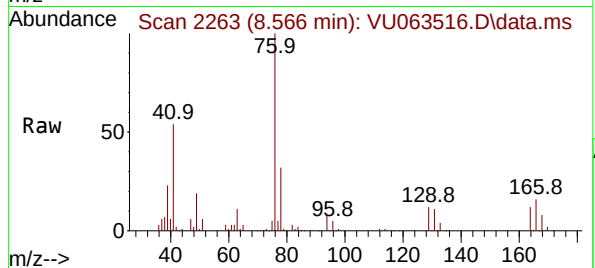
78 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 87.533 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

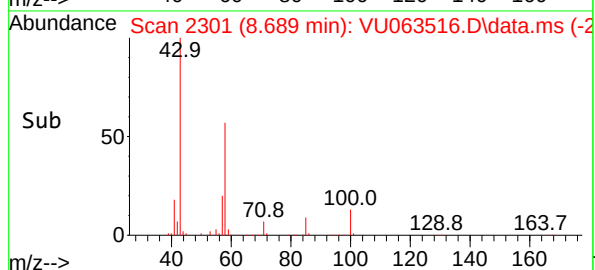
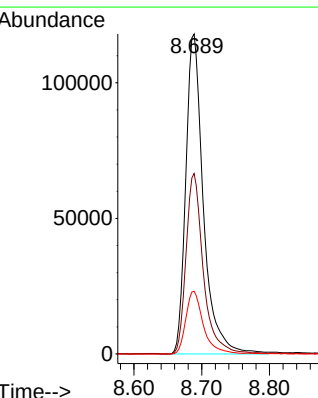
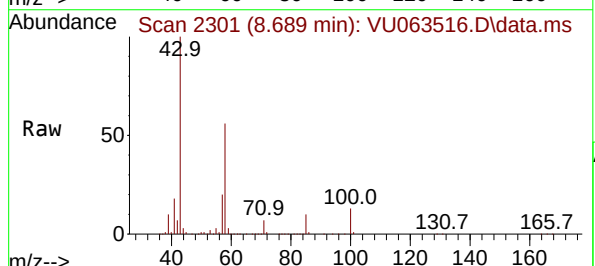
Tgt Ion: 43 Resp: 213057

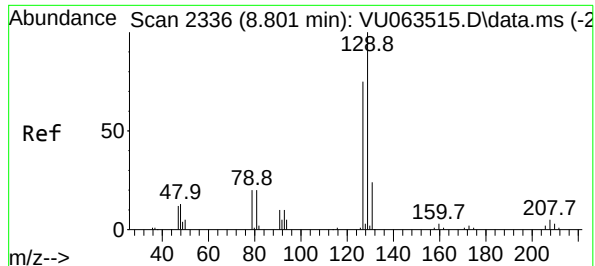
Ion Ratio Lower Upper

43 100

58 55.4 34.8 74.8

57 19.5 0.0 39.5





#55

Dibromochloromethane

Concen: 18.292 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:129 Resp: 92530

Ion Ratio Lower Upper

129 100

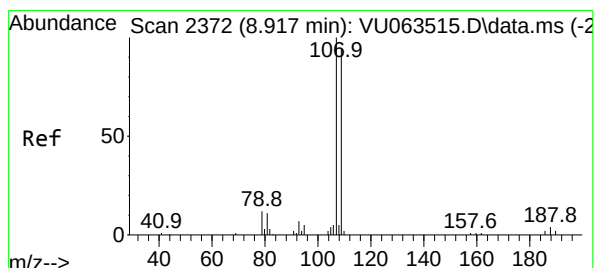
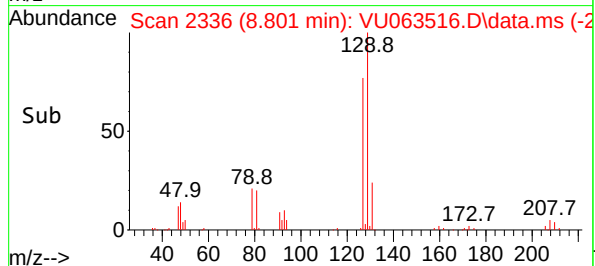
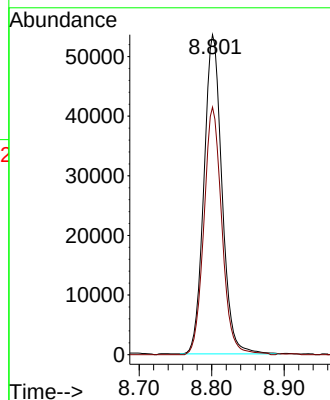
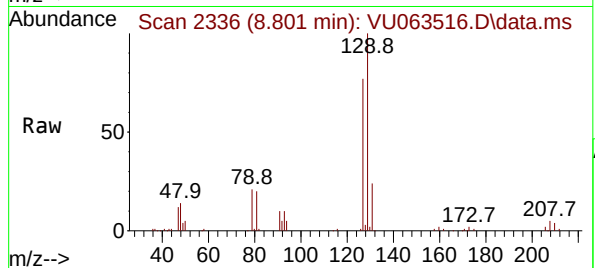
127 77.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#56

1,2-Dibromoethane

Concen: 16.452 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063516.D

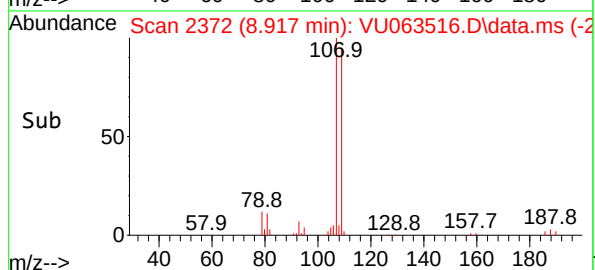
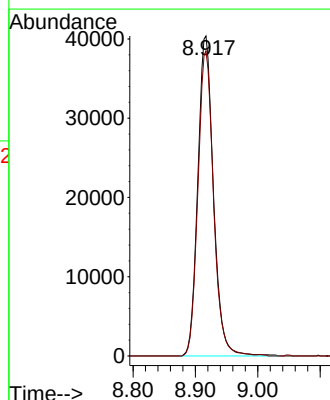
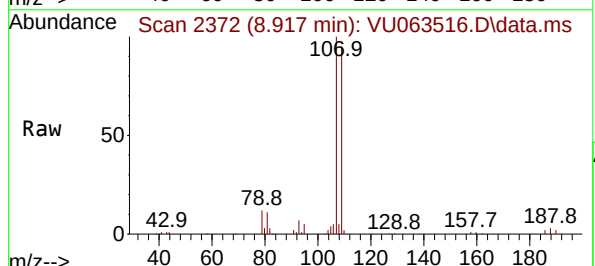
Acq: 16 Jul 2025 12:11

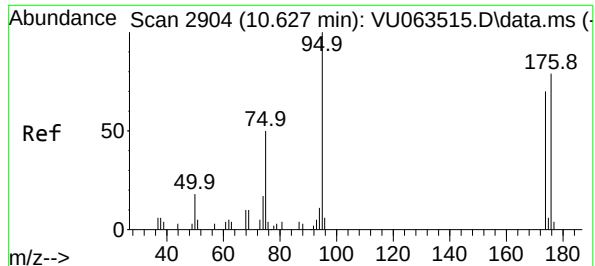
Tgt Ion:107 Resp: 70483

Ion Ratio Lower Upper

107 100

109 94.8 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 1.051 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063516.D

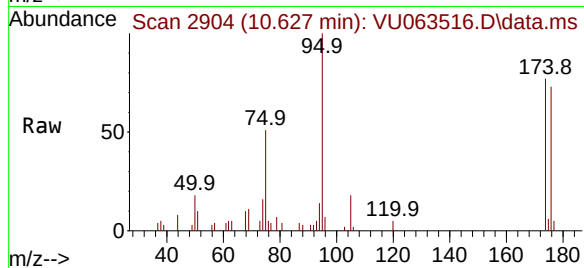
Acq: 16 Jul 2025 12:11

Instrument :

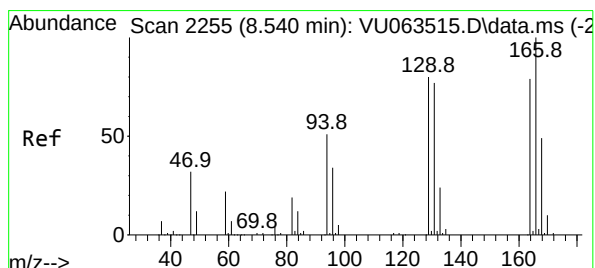
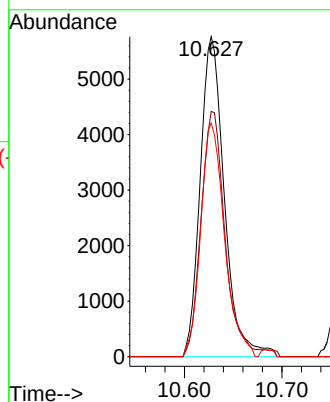
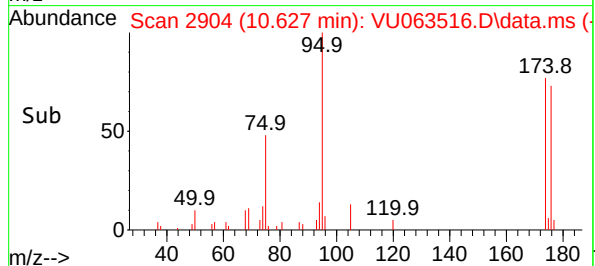
MSVOA_U

ClientSampleId :

VSTDIC015



Tgt Ion:	95	Resp:	990
Ion	Ratio	Lower	Upper
95	100		
174	77.1	59.8	89.8
176	72.2	61.8	92.8

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#58

Tetrachloroethene

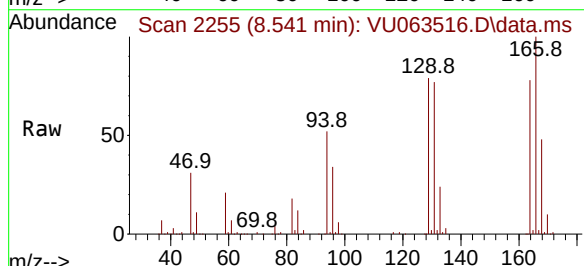
Concen: 16.111 ug/l

RT: 8.541 min Scan# 2255

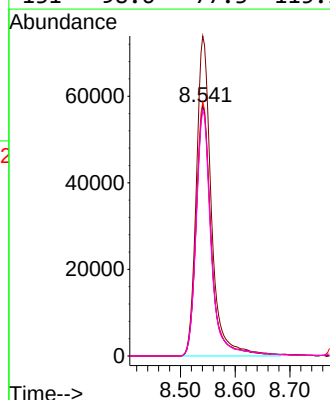
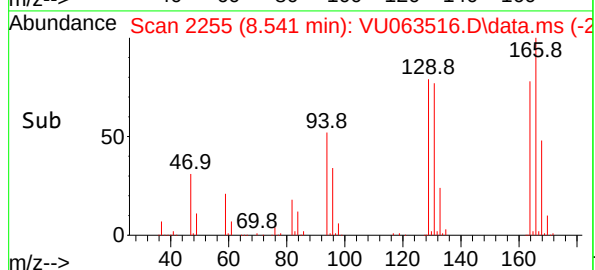
Delta R.T. 0.000 min

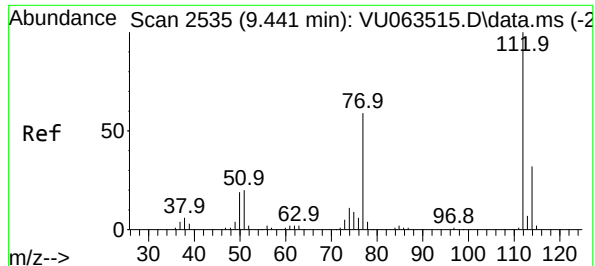
Lab File: VU063516.D

Acq: 16 Jul 2025 12:11



Tgt Ion:	164	Resp:	110328
Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.7	151.1
129	101.8	80.6	120.8
131	98.6	77.3	115.9





#59

Chlorobenzene

Concen: 16.822 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:112 Resp: 30935

Ion Ratio Lower Upper

112 100

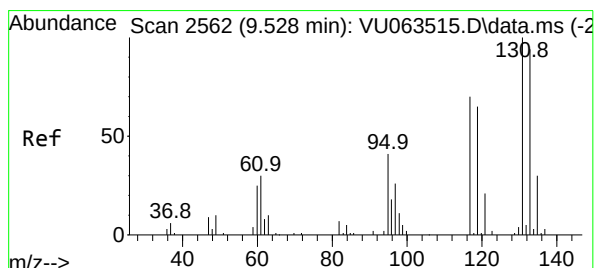
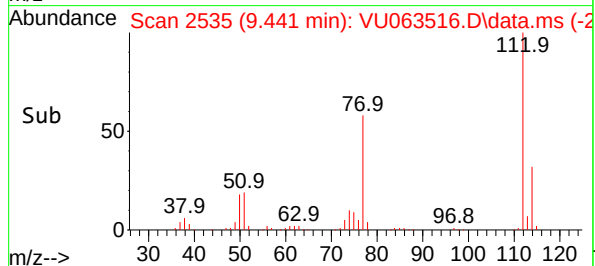
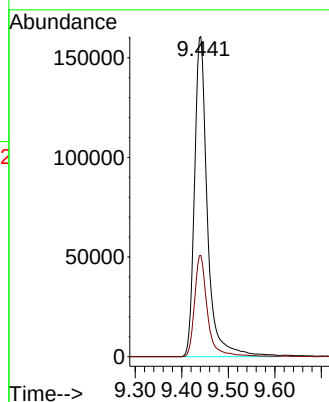
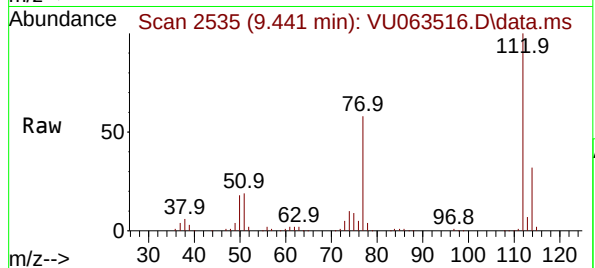
114 31.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 17.225 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

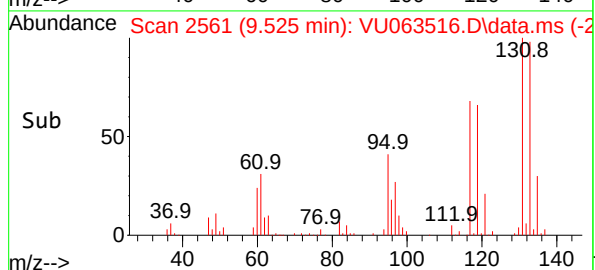
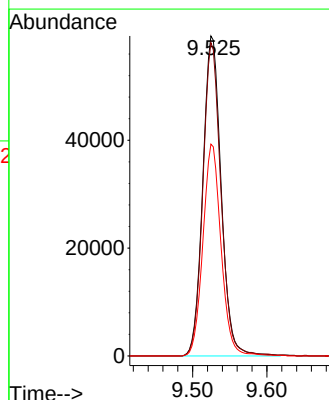
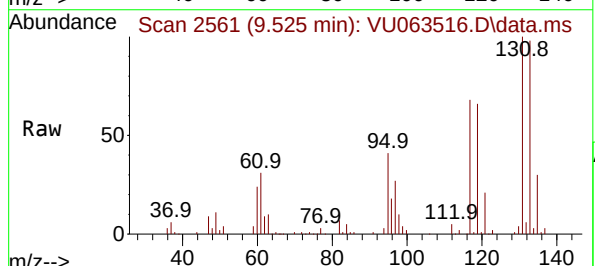
Tgt Ion:131 Resp: 101862

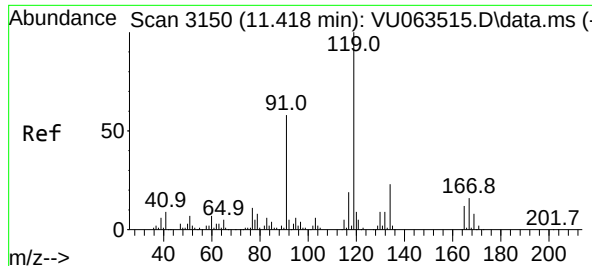
Ion Ratio Lower Upper

131 100

133 96.4 74.7 112.1

119 65.3 53.0 79.4





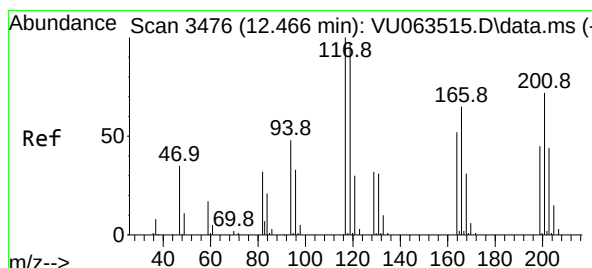
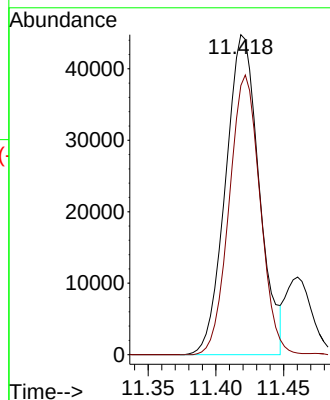
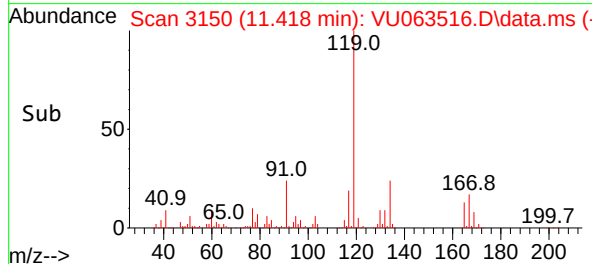
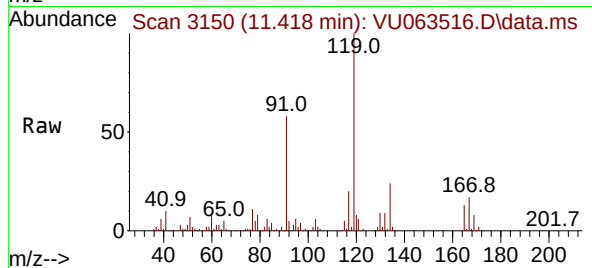
#61
Pentachloroethane
Concen: 18.487 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 7725
Ion Ratio Lower Upper
117 100
167 80.2 65.0 97.6

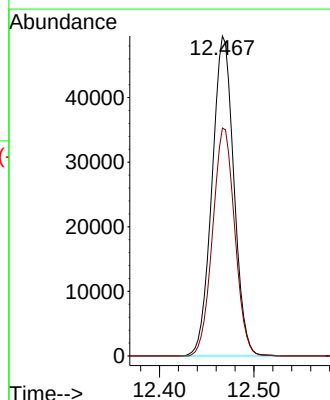
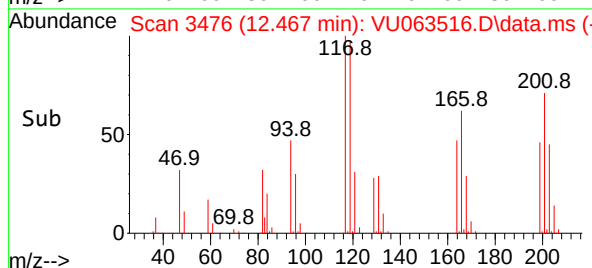
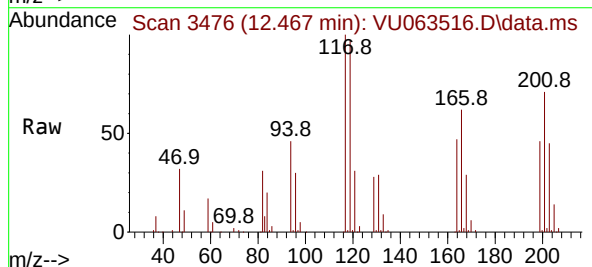
Manual Integrations
APPROVED

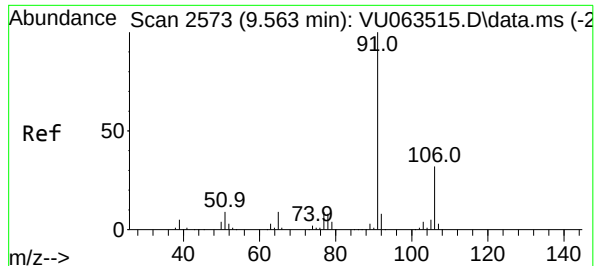
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 19.195 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Tgt Ion:117 Resp: 79431
Ion Ratio Lower Upper
117 100
201 72.3 57.4 86.0





#63

Ethyl Benzene

Concen: 16.614 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 52575

Ion Ratio Lower Upper

91 100

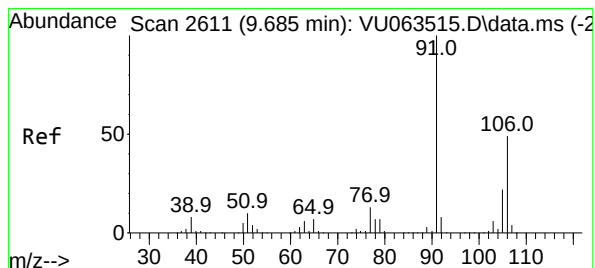
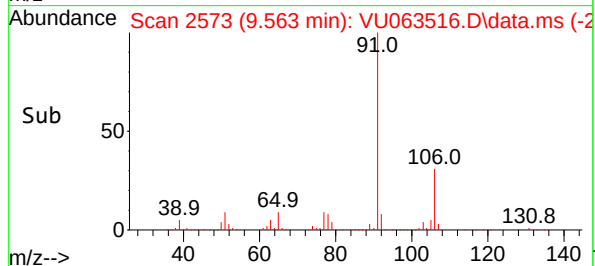
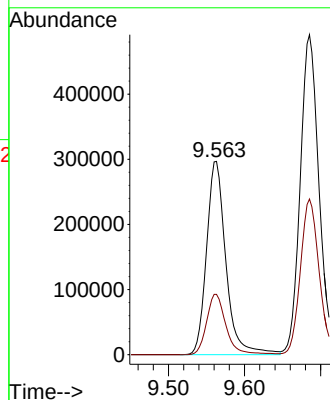
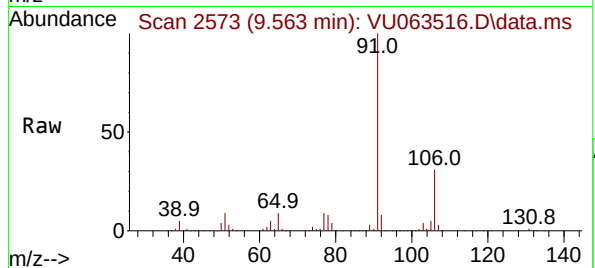
106 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 34.249 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063516.D

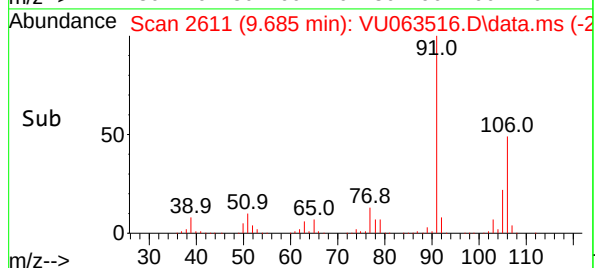
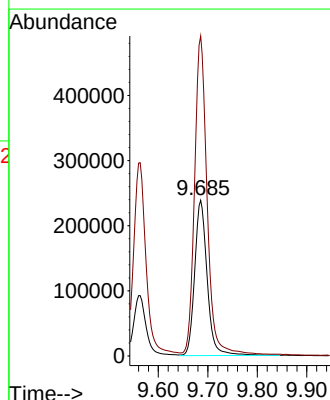
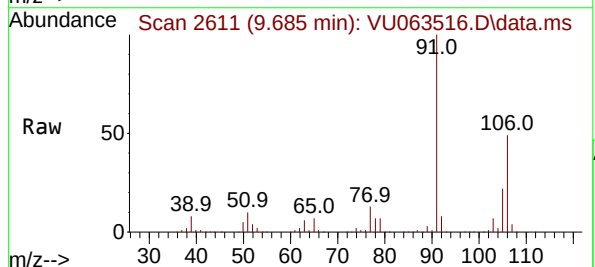
Acq: 16 Jul 2025 12:11

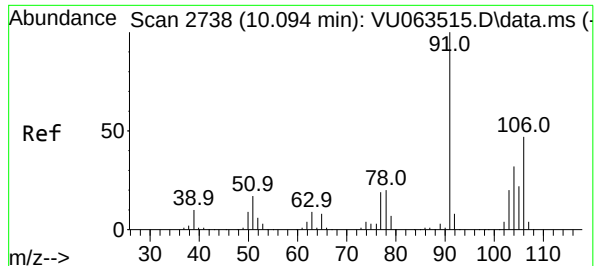
Tgt Ion:106 Resp: 421278

Ion Ratio Lower Upper

106 100

91 204.6 163.6 245.4





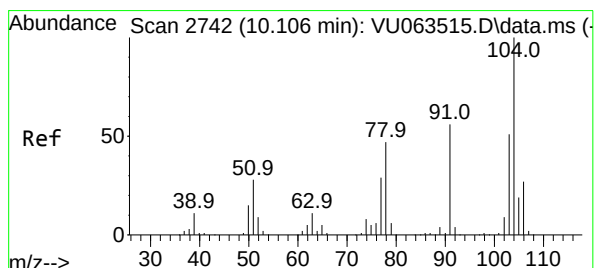
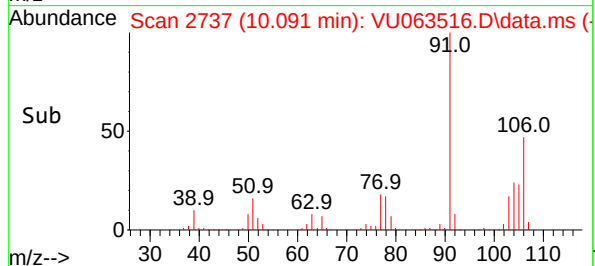
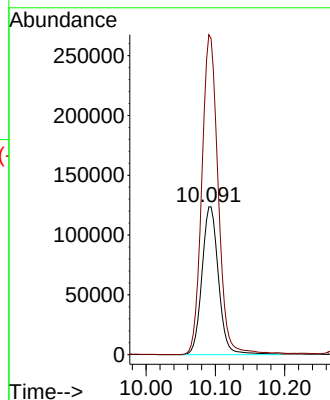
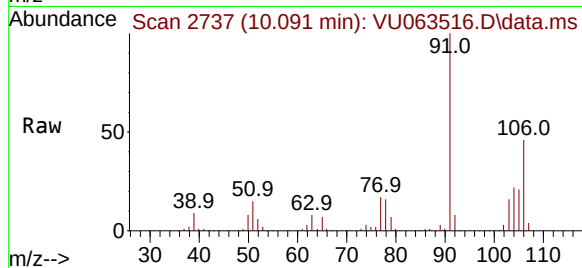
#65
o-Xylene
Concen: 17.365 ug/l
RT: 10.091 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:106 Resp: 205249
Ion Ratio Lower Upper
106 100
91 213.5 108.1 324.4

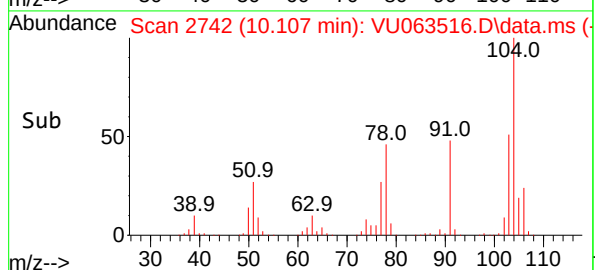
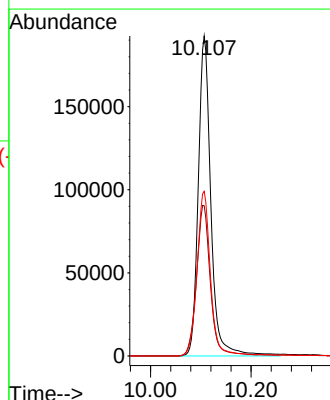
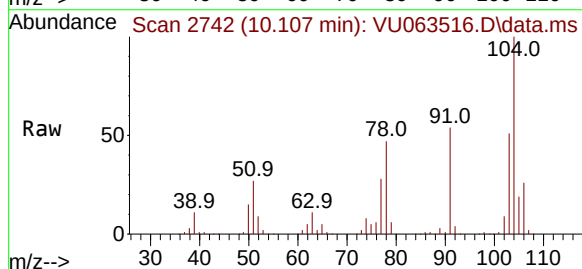
Manual Integrations
APPROVED

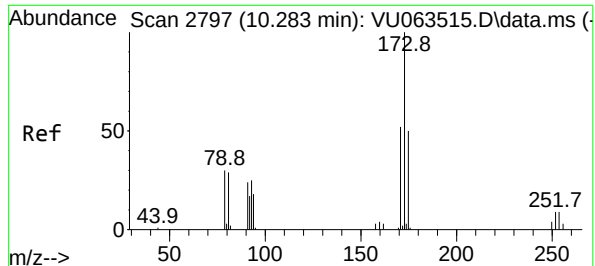
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 17.837 ug/l
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

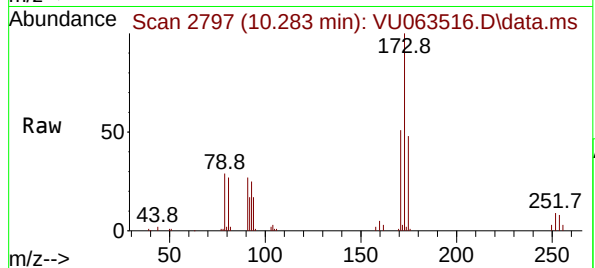
Tgt Ion:104 Resp: 336001
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 54.8 43.6 65.4





#67
Bromoform
Concen: 18.852 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

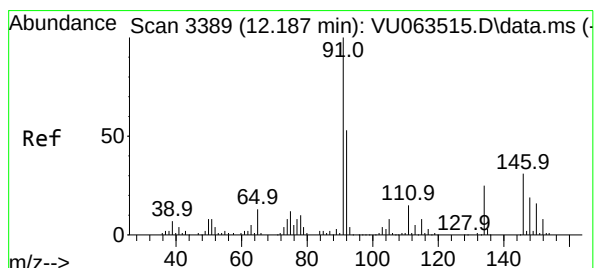
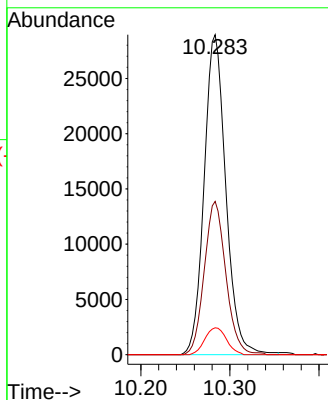
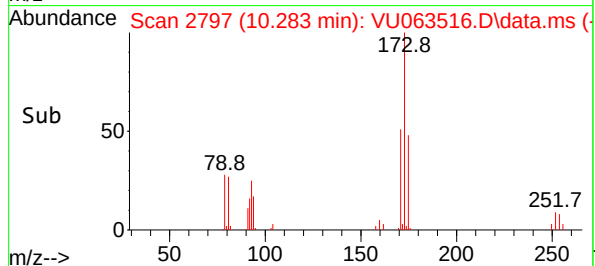
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



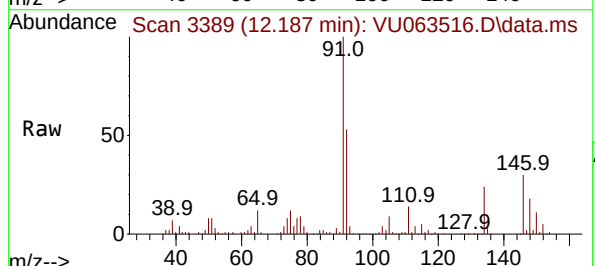
Tgt Ion:173 Resp: 48978
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.4
254 8.4 6.5 9.7

Manual Integrations
APPROVED

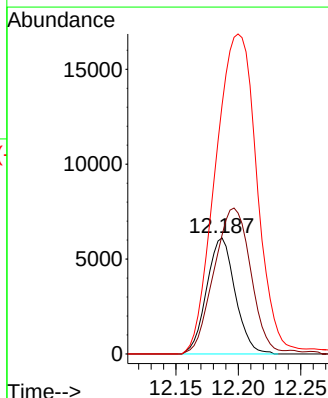
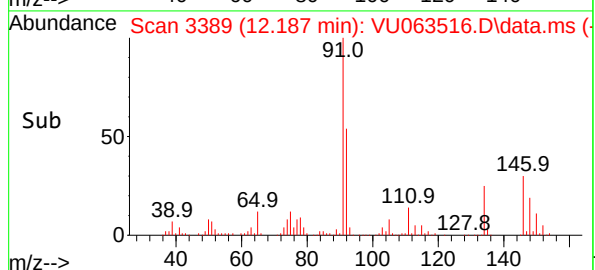
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

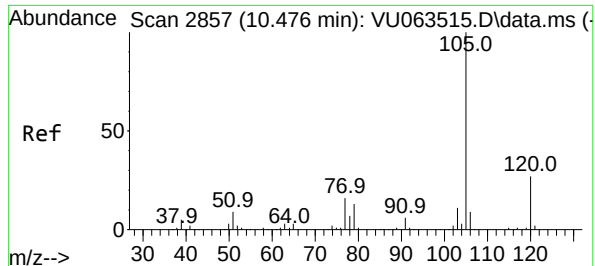


#68
1,2-Dichlorobenzene-d4
Concen: 1.118 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11



Tgt Ion:152 Resp: 9748
Ion Ratio Lower Upper
152 100
115 162.9 0.0 262.2
150 405.8 0.0 651.2





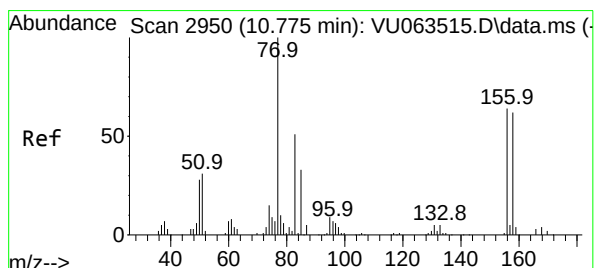
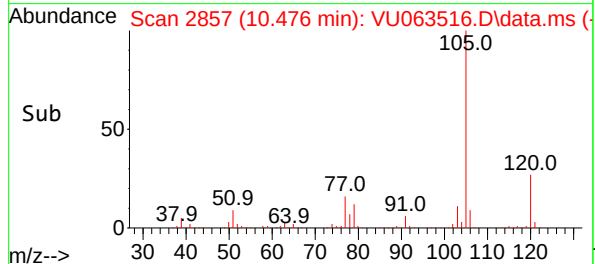
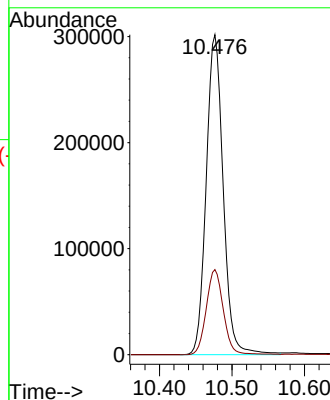
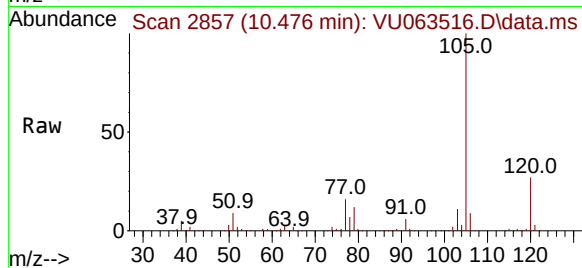
#69
Isopropylbenzene
Concen: 17.221 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:105 Resp: 49208
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.5

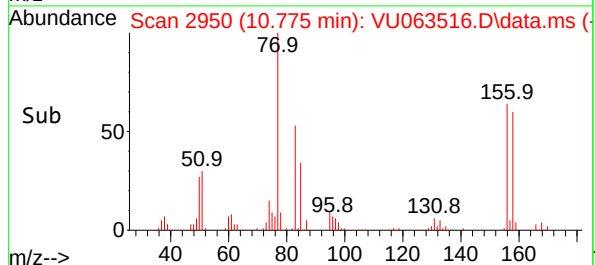
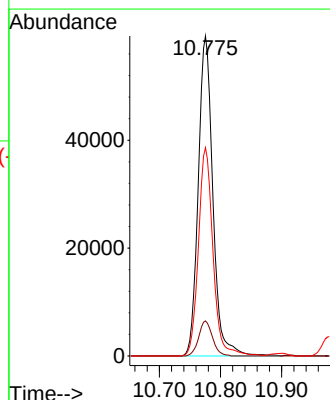
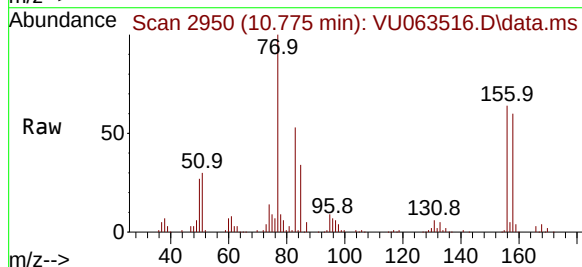
Manual Integrations
APPROVED

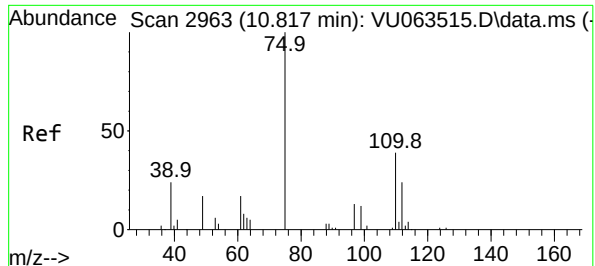
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 16.933 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

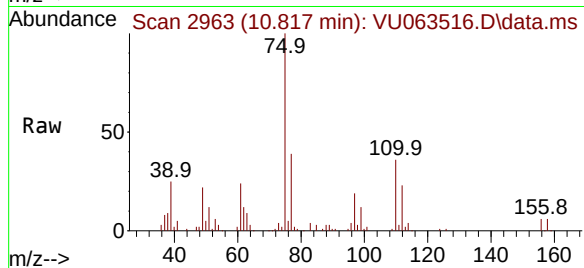
Tgt Ion: 83 Resp: 98628
Ion Ratio Lower Upper
83 100
131 10.3 8.4 12.6
85 64.7 51.9 77.9





#71
1,2,3-Trichloropropane
Concen: 16.049 ug/l m
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

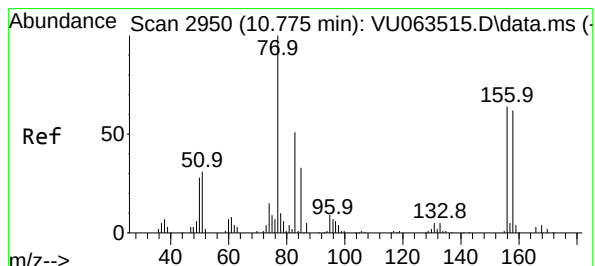
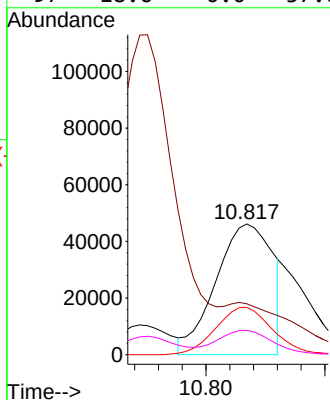
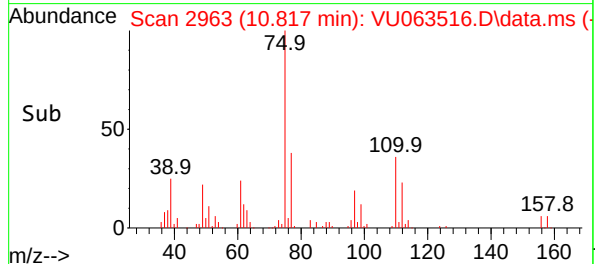
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



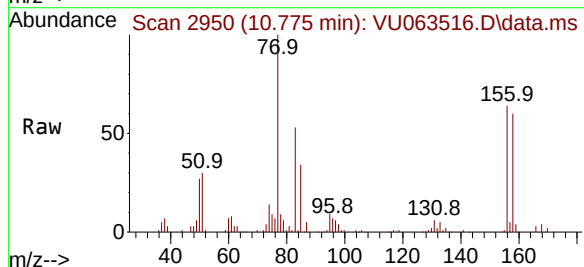
Tgt Ion: 75 Resp: 76288
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 36.7 0.0 73.2
97 18.6 0.0 37.6

Manual Integrations
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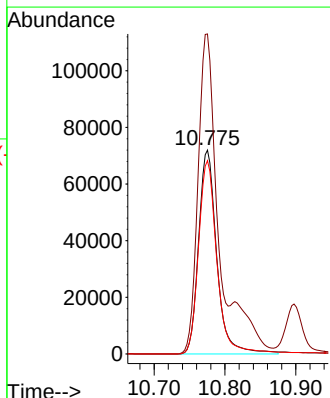
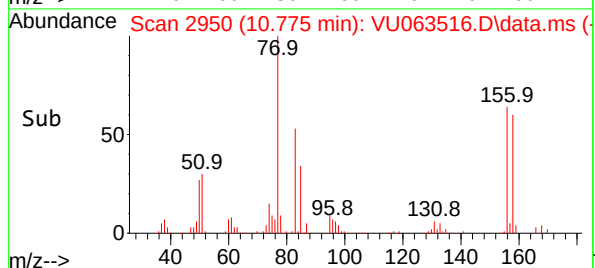
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

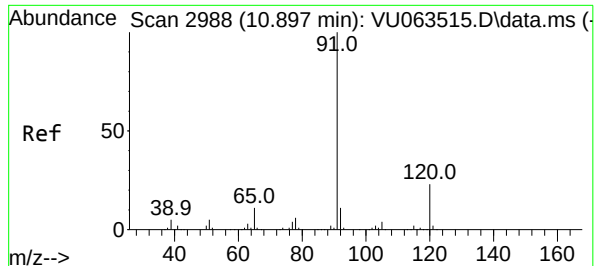


#72
Bromobenzene
Concen: 17.363 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11



Tgt Ion:156 Resp: 128042
Ion Ratio Lower Upper
156 100
77 152.6 0.0 315.2
158 97.1 0.0 195.4





#73

n-propylbenzene

Concen: 17.433 ug/l

RT: 10.898 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:120 Resp: 149954

Ion Ratio Lower Upper

120 100

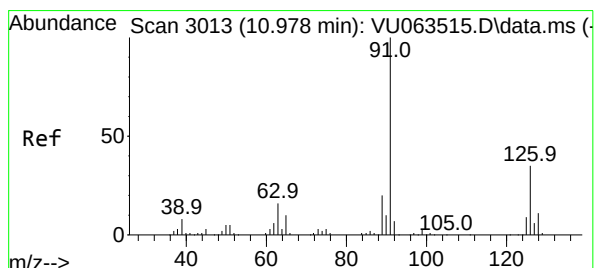
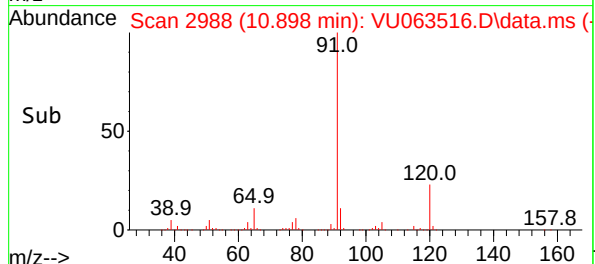
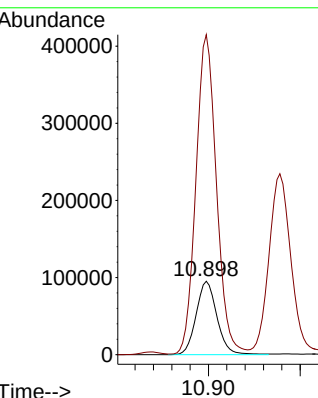
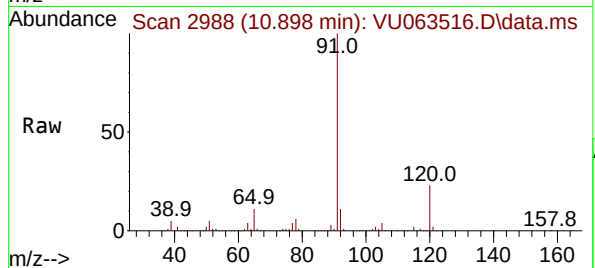
91 428.5 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 17.136 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063516.D

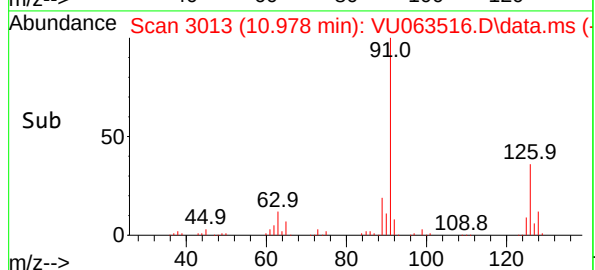
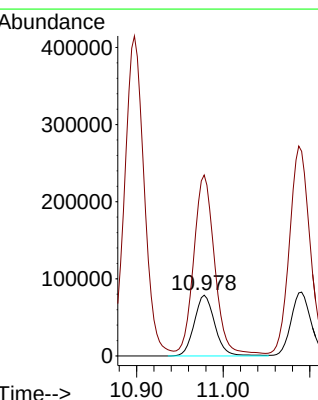
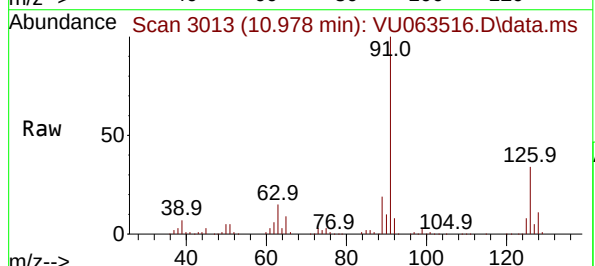
Acq: 16 Jul 2025 12:11

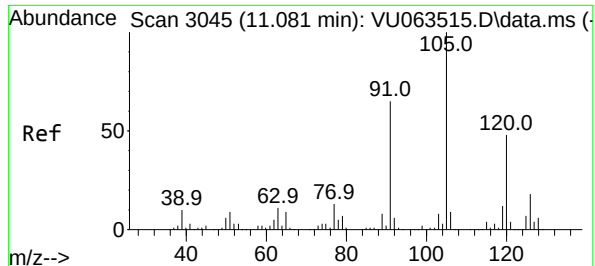
Tgt Ion:126 Resp: 130274

Ion Ratio Lower Upper

126 100

91 299.6 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 17.511 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 478010

Ion Ratio Lower Upper

105 100

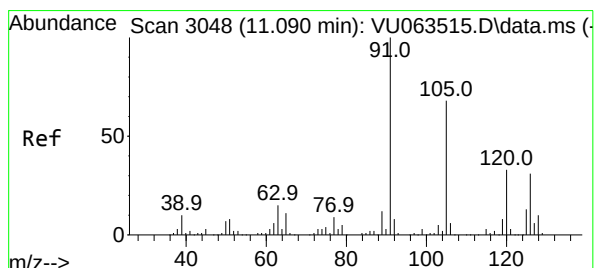
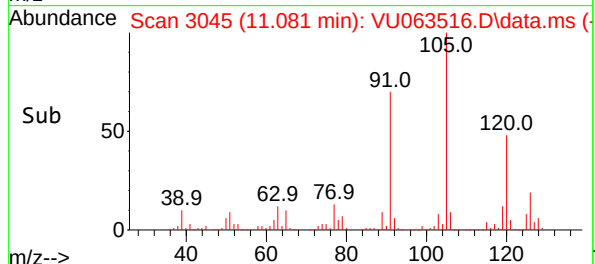
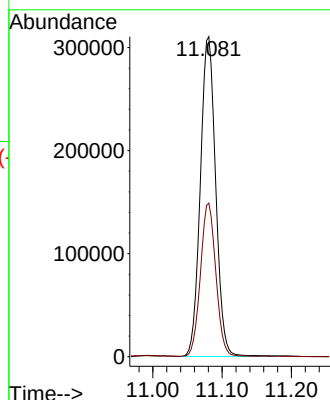
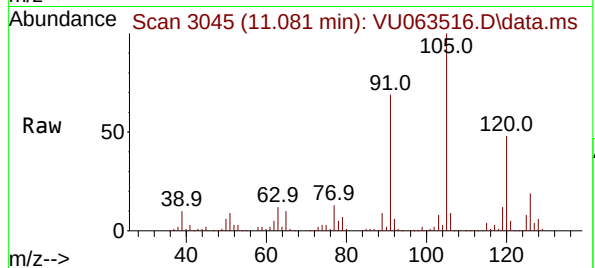
120 47.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 17.147 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063516.D

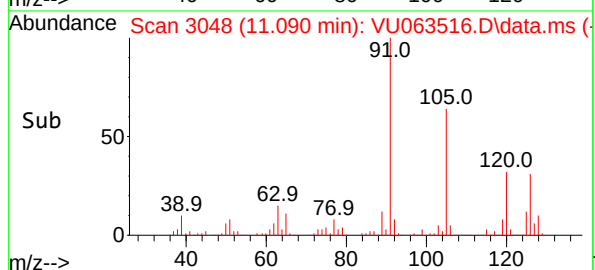
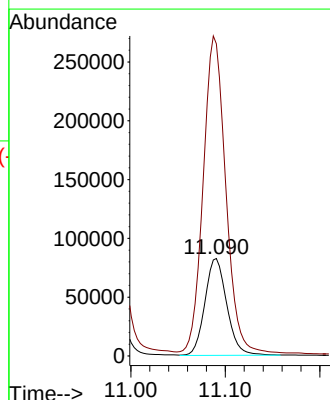
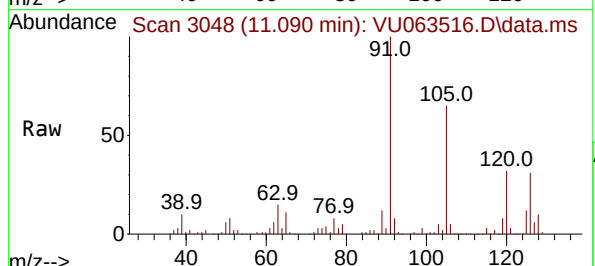
Acq: 16 Jul 2025 12:11

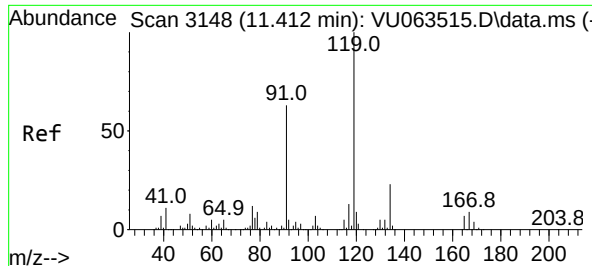
Tgt Ion:126 Resp: 132384

Ion Ratio Lower Upper

126 100

91 337.8 0.0 682.2



#77
tert-Butylbenzene

Concen: 17.282 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 450840

Ion Ratio Lower Upper

119 100

91 61.0 30.7 92.1

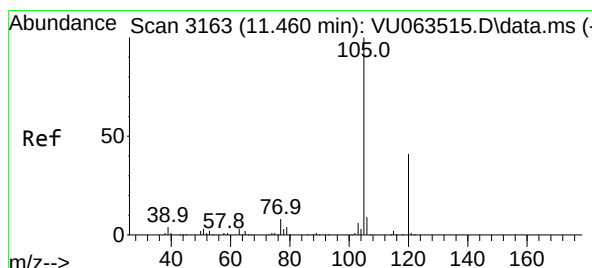
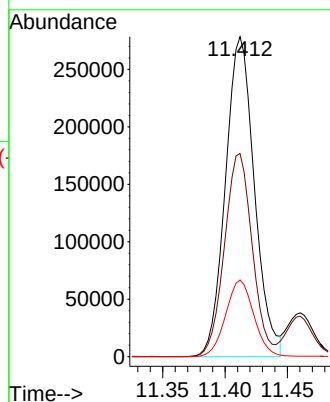
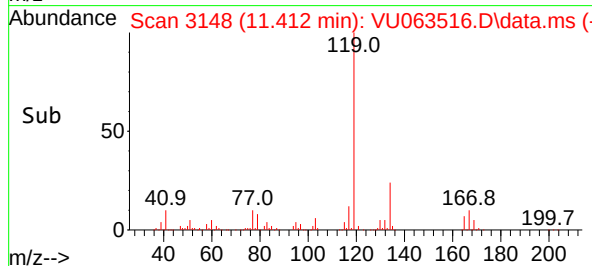
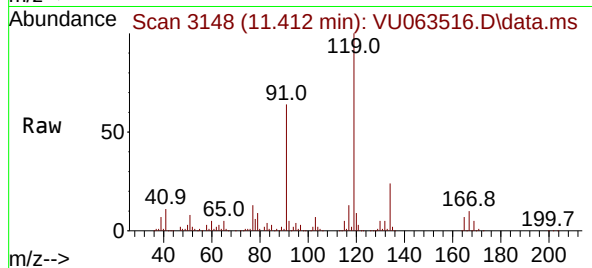
134 23.3 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 17.485 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063516.D

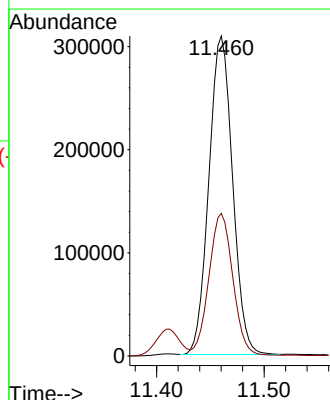
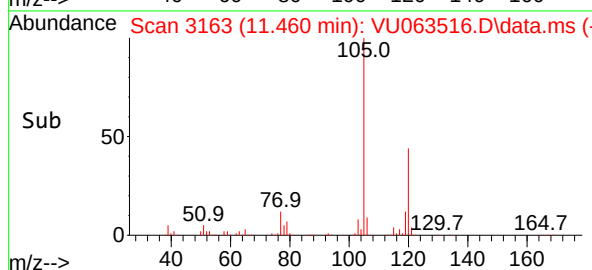
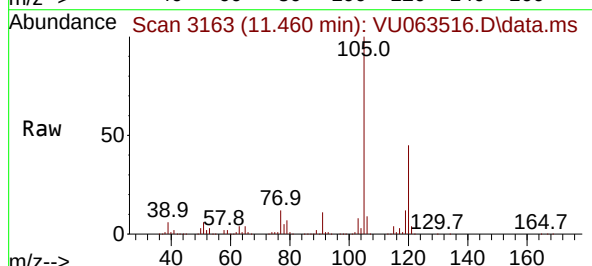
Acq: 16 Jul 2025 12:11

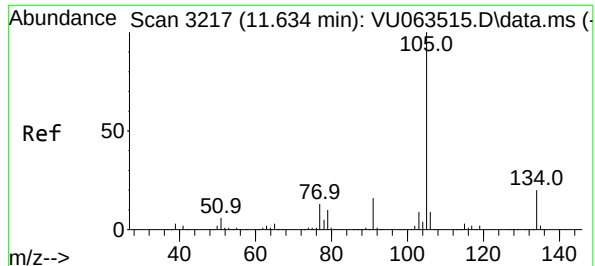
Tgt Ion:105 Resp: 473538

Ion Ratio Lower Upper

105 100

120 44.9 22.7 68.0





#79

sec-Butylbenzene

Concen: 17.415 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 61265

Ion Ratio Lower Upper

105 100

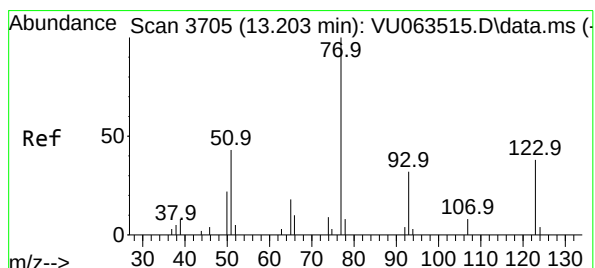
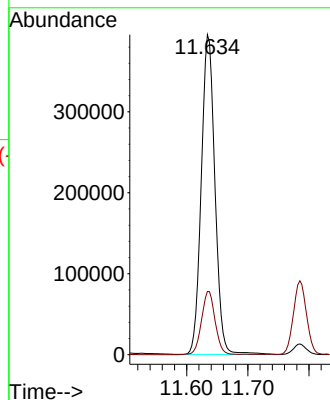
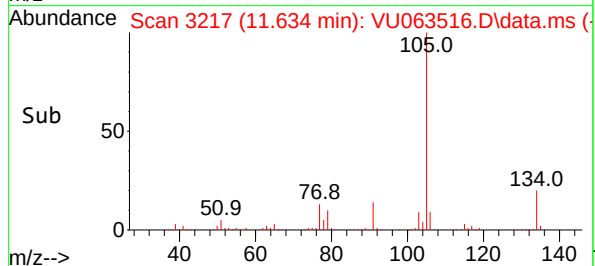
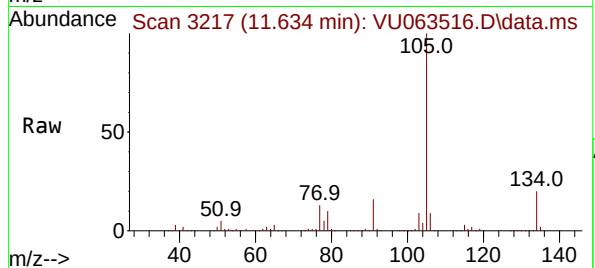
134 19.7 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 74.783 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

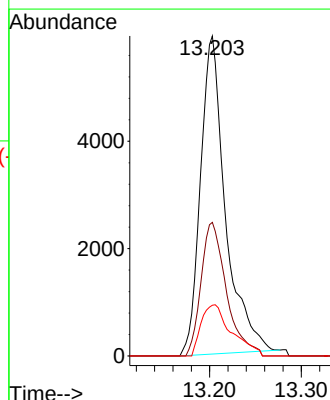
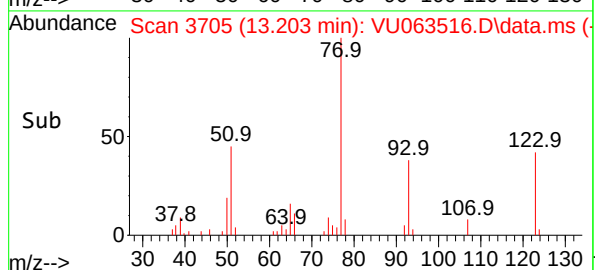
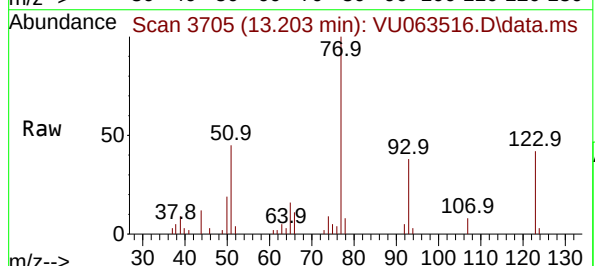
Tgt Ion: 77 Resp: 11188

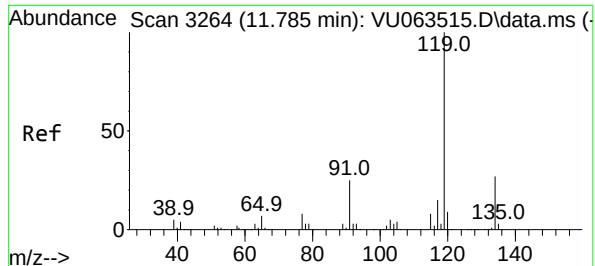
Ion Ratio Lower Upper

77 100

123 42.7 16.9 59.7

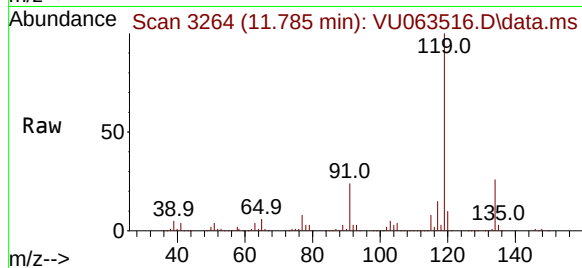
65 19.5 16.5 20.9





#81
p-Isopropyltoluene
Concen: 17.591 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11

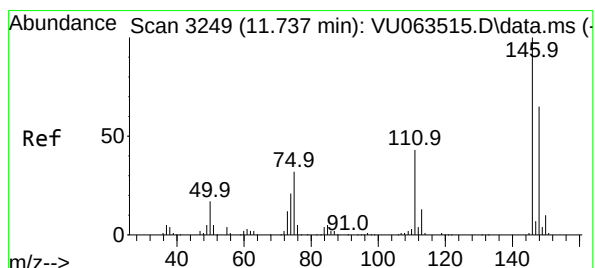
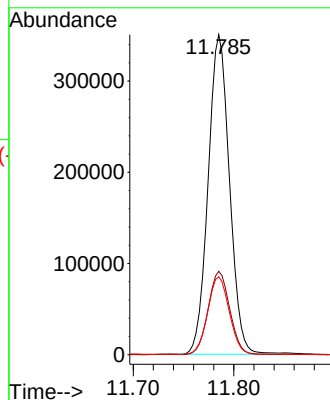
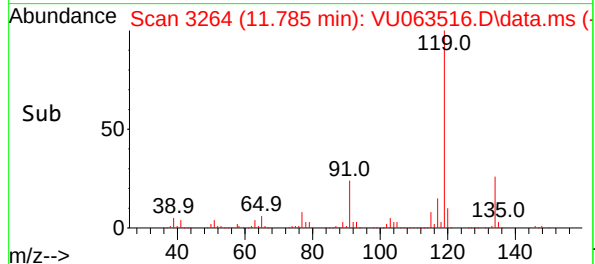
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



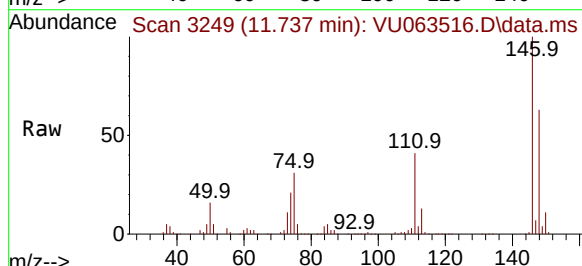
Tgt Ion:119 Resp: 51660
Ion Ratio Lower Upper
119 100
134 26.2 21.1 31.7
91 24.5 19.8 29.8

Manual Integrations
APPROVED

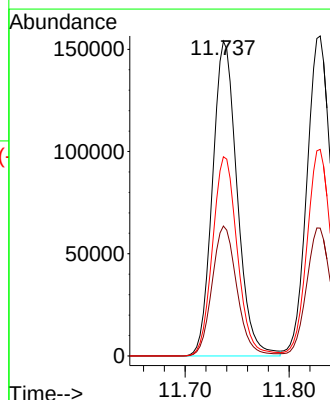
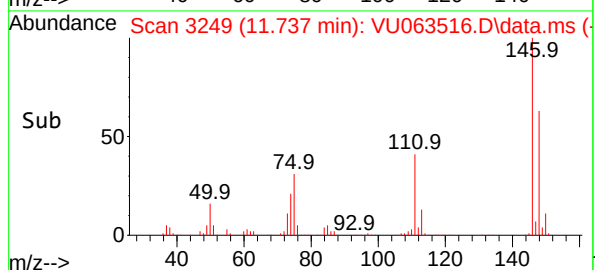
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

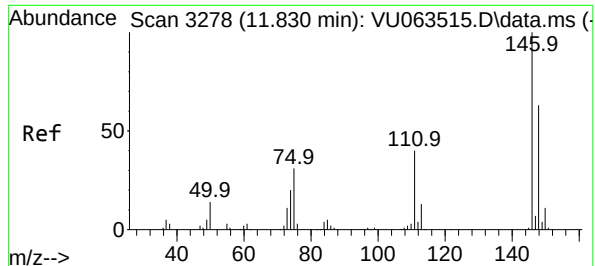


#82
1,3-Dichlorobenzene
Concen: 17.221 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063516.D
Acq: 16 Jul 2025 12:11



Tgt Ion:146 Resp: 254102
Ion Ratio Lower Upper
146 100
111 41.5 33.8 50.6
148 63.8 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 17.978 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 26553

Ion Ratio Lower Upper

146 100

111 40.6 32.0 48.0

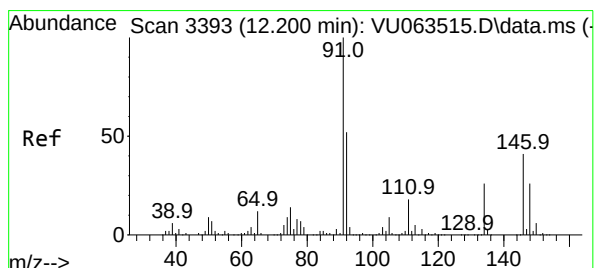
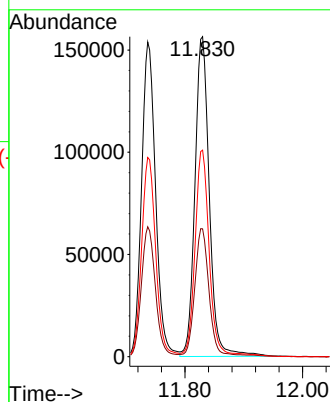
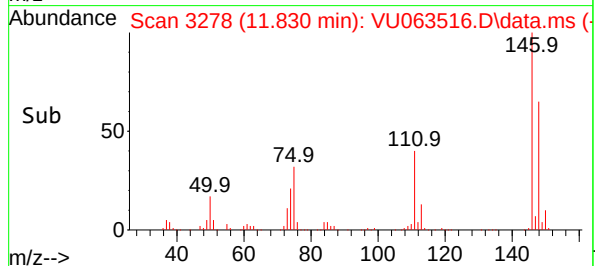
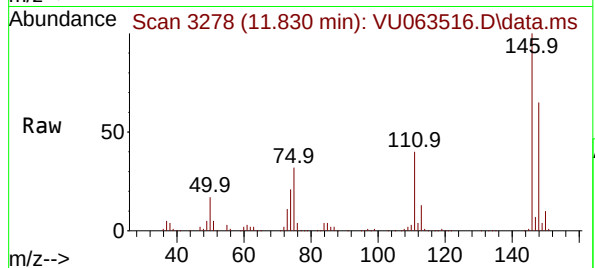
148 64.3 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 18.081 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

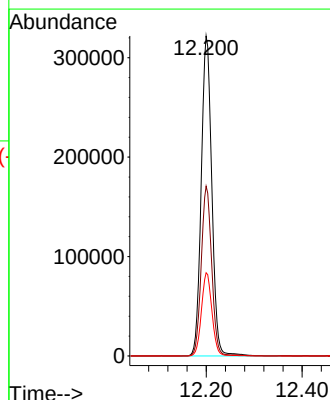
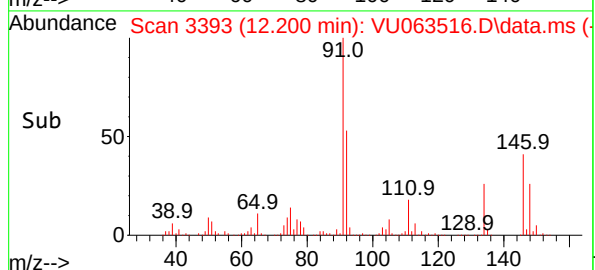
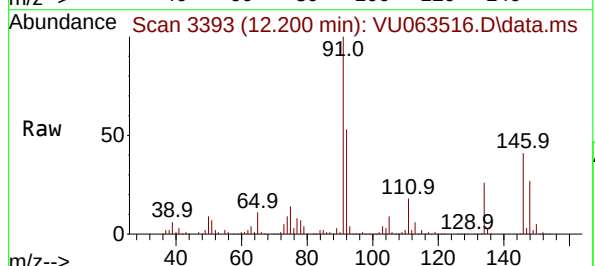
Tgt Ion: 91 Resp: 492464

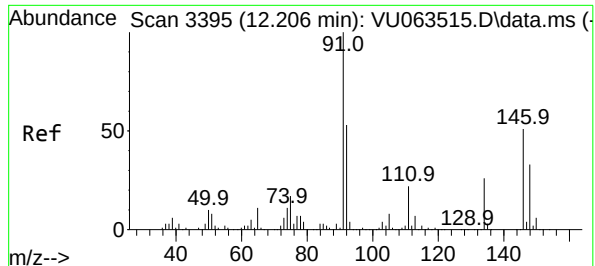
Ion Ratio Lower Upper

91 100

92 52.2 41.5 62.3

134 25.9 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 17.474 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 24221

Ion Ratio Lower Upper

146 100

111 43.2 21.7 65.1

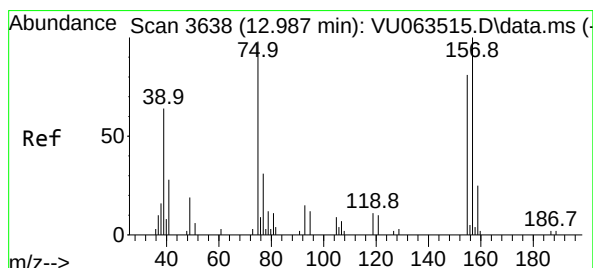
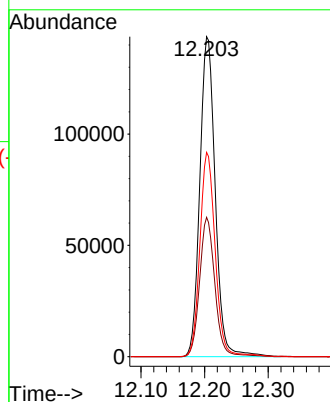
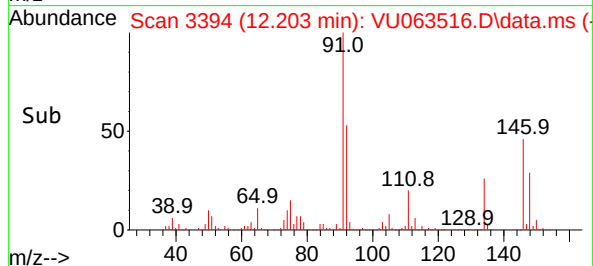
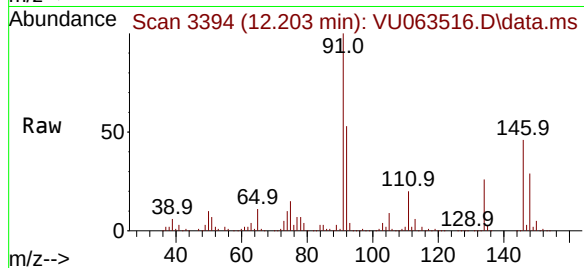
148 63.0 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 14.975 ug/l

RT: 12.988 min Scan# 3638

Delta R.T. 0.001 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

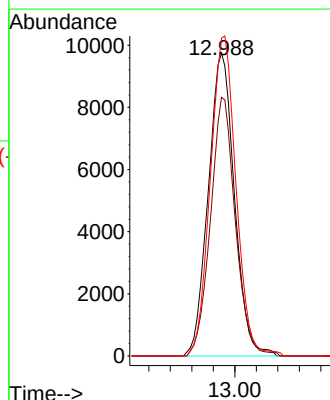
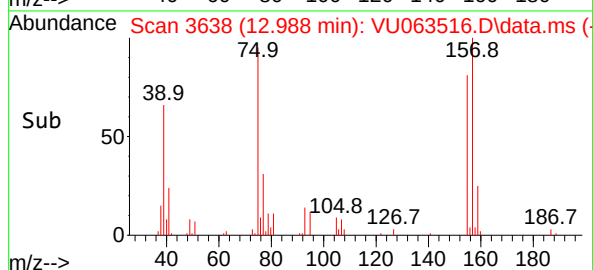
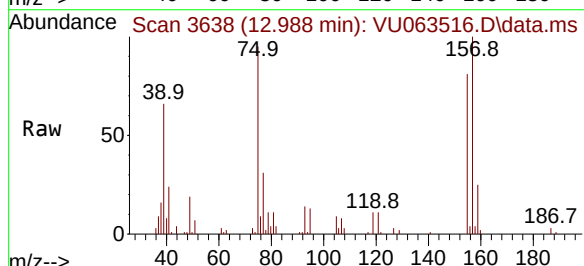
Tgt Ion: 75 Resp: 16421

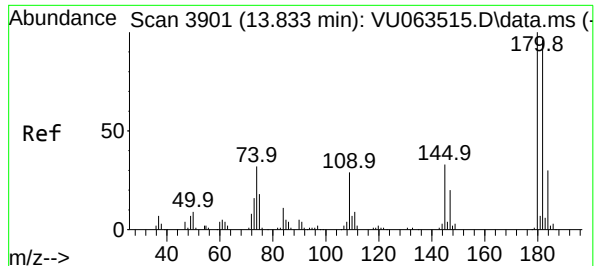
Ion Ratio Lower Upper

75 100

155 81.4 65.8 98.6

157 104.0 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 18.396 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063516.D

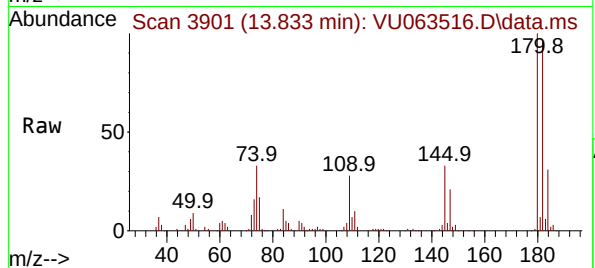
Acq: 16 Jul 2025 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

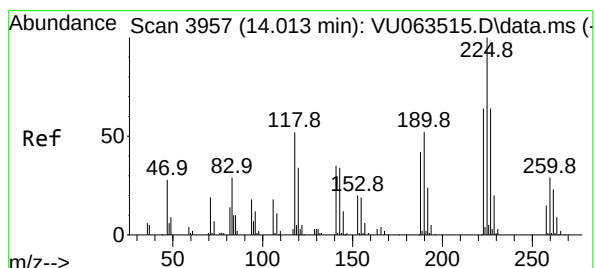
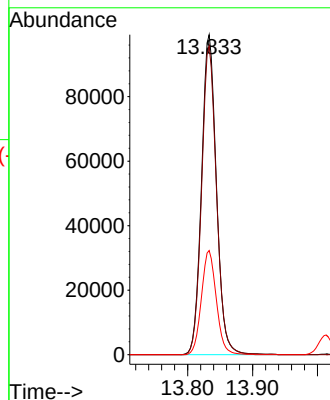
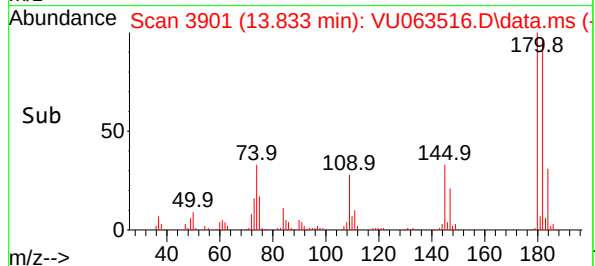


Tgt Ion:180 Resp: 158574

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.4
145	32.5	26.2	39.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

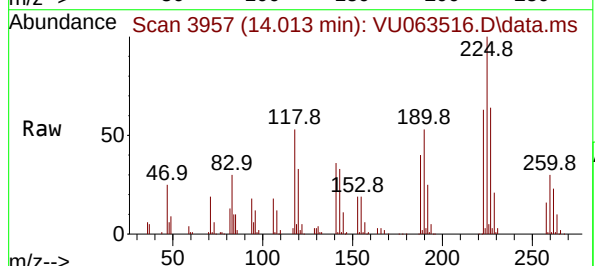
Concen: 17.630 ug/l

RT: 14.013 min Scan# 3957

Delta R.T. 0.000 min

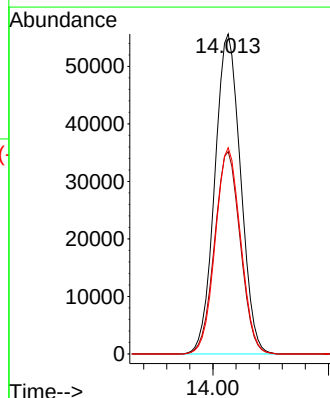
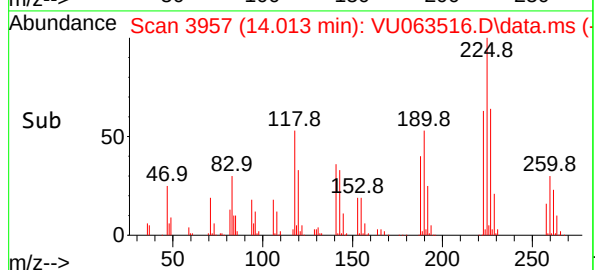
Lab File: VU063516.D

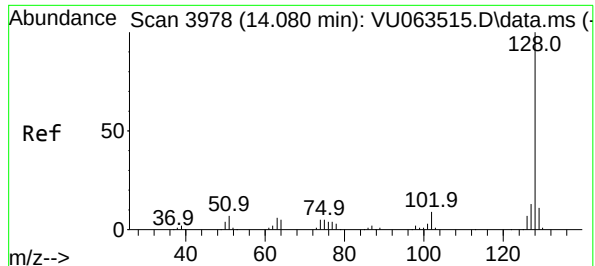
Acq: 16 Jul 2025 12:11



Tgt Ion:225 Resp: 86303

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	63.4	51.0	76.6





#89

Naphthalene

Concen: 18.966 ug/l

RT: 14.077 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

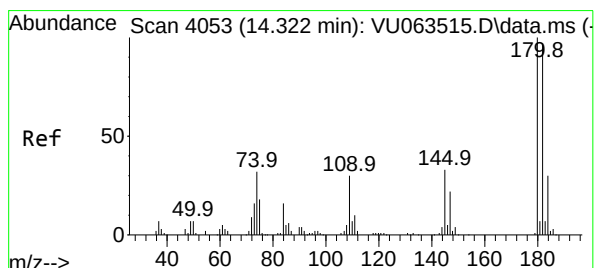
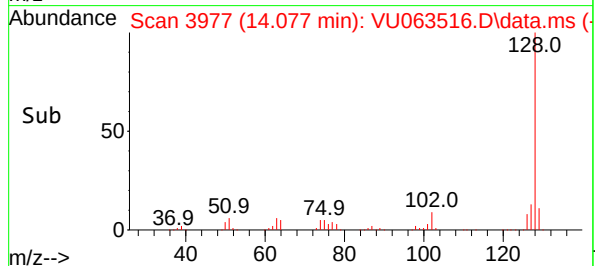
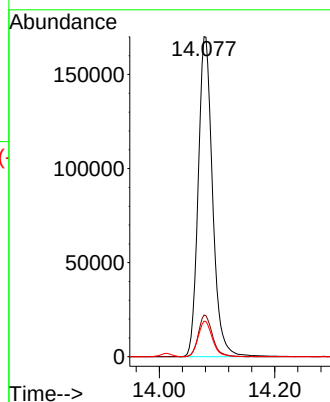
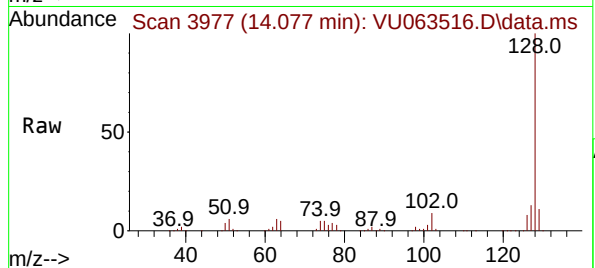
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

#90

1,2,3-Trichlorobenzene

Concen: 18.735 ug/l

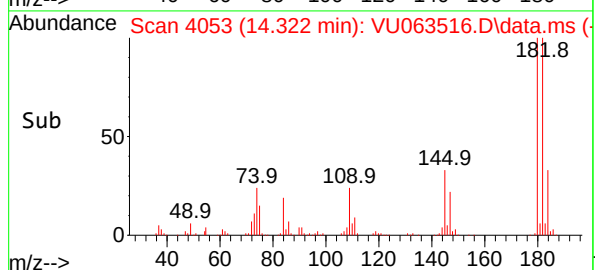
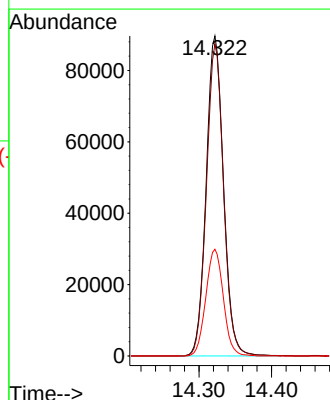
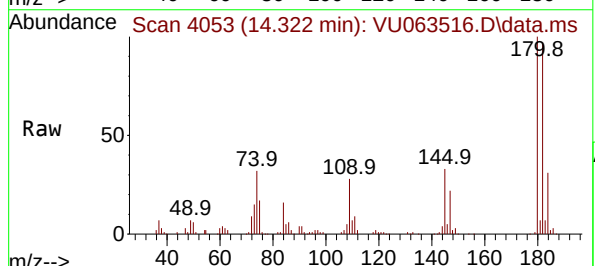
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.0	117.0
145	33.6	27.3	40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063517.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU071625

Quant Time: Jul 17 03:27:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	22543	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	10918	1.279	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9055	1.147	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	47518	7.149	ug/l	98
3) Chloromethane	1.518	50	59639	9.652	ug/l	99
4) Vinyl Chloride	1.599	62	75020	9.533	ug/l	99
5) Bromomethane	1.846	94	57124	9.626	ug/l	97
6) Chloroethane	1.924	64	48669	10.243	ug/l	100
7) Trichlorofluoromethane	2.129	101	117095	10.364	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	67543	11.439	ug/l	98
9) 1,1-Dichloroethene	2.567	96	68402	11.688	ug/l	95
10) Iodomethane	2.708	142	78640	9.080	ug/l	98
11) Allyl Chloride	2.907	41	104721	12.385	ug/l	99
12) Acrylonitrile	3.306	53	78654	53.704	ug/l	97
13) Acetone	2.618	43	76920	65.587	ug/l	100
14) Carbon Disulfide	2.776	76	197248	10.434	ug/l	99
15) Methylene Chloride	3.026	84	76711	11.133	ug/l	98
16) trans-1,2-Dichloroethene	3.332	96	71158	10.705	ug/l	98
17) 1,1-Dichloroethane	3.846	63	140320	11.390	ug/l	100
18) 2-Butanone	4.714	43	107346	59.104	ug/l	99
19) Cyclohexane	5.357	56	120201	11.523	ug/l	100
20) Methylcyclohexane	6.743	83	103883	10.246	ug/l	98
21) 2,2-Dichloropropane	4.644	77	118031	11.251	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	84773	11.753	ug/l	97
23) Diethyl Ether	2.370	59	48588	10.895	ug/l	99
24) tert-Butyl Alcohol	3.194	59	29533	54.858	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	182299	11.931	ug/l	99
26) Bromochloromethane	4.956	128	32227	10.701	ug/l	95
27) Chloroform	5.068	83	141992	11.295	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	124774	11.694	ug/l	100
29) 1,1-Dichloropropene	5.499	75	104813	10.604	ug/l	97
30) Carbon Tetrachloride	5.496	117	102031	11.881	ug/l	96
31) Isopropyl Ether	3.994	45	217473	11.694	ug/l #	1
34) Propionitrile	4.775	54	61045	110.315	ug/l	96
35) Benzene	5.753	78	251880	9.485	ug/l	99
36) 1,2-Dichloroethane	5.782	62	75983	9.208	ug/l	99
37) Trichloroethene	6.525	130	66834	9.864	ug/l	95
38) 1,2-Dichloropropane	6.782	63	63102	10.152	ug/l	98
39) Methacrylonitrile	4.972	41	25678	10.571	ug/l	98
40) Methyl acrylate	4.846	55	39416	10.962	ug/l #	95
41) Tetrahydrofuran	5.062	42	67337	52.040	ug/l	97
42) 1-Chlorobutane	5.435	56	151540	11.532	ug/l	99
43) Dibromomethane	6.907	93	35899	11.149	ug/l	97
44) Bromodichloromethane	7.094	83	84311	11.611	ug/l	97
45) 4-Methyl-2-Pentanone	7.795	43	190879	57.520	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	12861m	10.924	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063517.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:27:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	30655	11.336	ug/l	92
48) Ethyl methacrylate	8.332	69	62257	12.064	ug/l	100
49) Toluene	7.959	92	167696	11.565	ug/l	97
50) t-1,3-Dichloropropene	8.203	75	69274	12.160	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	87222	11.406	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	47565	10.973	ug/l	98
53) 1,3-Dichloropropane	8.566	76	81190	10.849	ug/l	99
54) 2-Hexanone	8.685	43	130609	59.254	ug/l	99
55) Dibromochloromethane	8.801	129	56885	12.417	ug/l	99
56) 1,2-Dibromoethane	8.917	107	42078	10.846	ug/l	98
58) Tetrachloroethene	8.541	164	70149	11.312	ug/l	98
59) Chlorobenzene	9.438	112	192479	11.557	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	58716	10.964	ug/l	98
61) Pentachloroethane	11.418	117	46643	12.325	ug/l	98
62) Hexachloroethane	12.466	117	46374	12.375	ug/l	100
63) Ethyl Benzene	9.560	91	327850	11.440	ug/l	100
64) m/p-Xylenes	9.685	106	261516	23.477	ug/l	98
65) o-Xylene	10.090	106	128236	11.980	ug/l	99
66) Styrene	10.106	104	207563	12.168	ug/l	99
67) Bromoform	10.283	173	28453	12.093	ug/l	100
69) Isopropylbenzene	10.476	105	336555	13.006	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	56769	10.762	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	39518m	9.180	ug/l	
72) Bromobenzene	10.775	156	77499	11.605	ug/l	99
73) n-propylbenzene	10.897	120	92519	11.877	ug/l	100
74) 2-Chlorotoluene	10.978	126	81148	11.787	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	296624	11.999	ug/l	98
76) 4-Chlorotoluene	11.090	126	83551	11.950	ug/l	96
77) tert-Butylbenzene	11.412	119	282930	11.976	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	296010	12.070	ug/l	99
79) sec-Butylbenzene	11.634	105	381524	11.975	ug/l	99
80) Nitrobenzene	13.216	77	1132m	13.031	ug/l	
81) p-Isopropyltoluene	11.785	119	326583	12.280	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	159160	11.911	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	155981	11.662	ug/l	97
84) n-Butylbenzene	12.200	91	300975	12.202	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	150510	11.990	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	9053	10.124	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	98543	12.623	ug/l	100
88) Hexachlorobutadiene	14.013	225	51315	11.575	ug/l	98
89) Naphthalene	14.081	128	165643	11.841	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	85042	11.788	ug/l	98

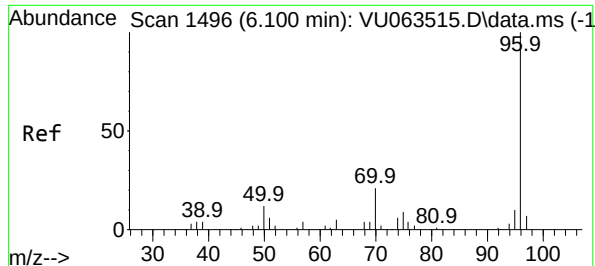
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025





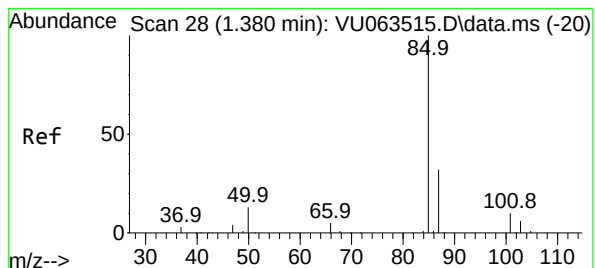
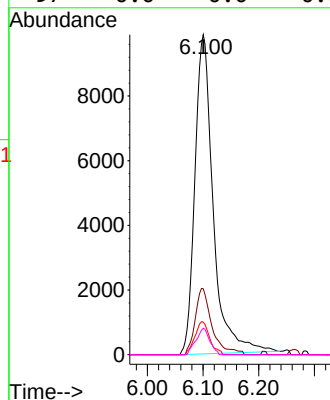
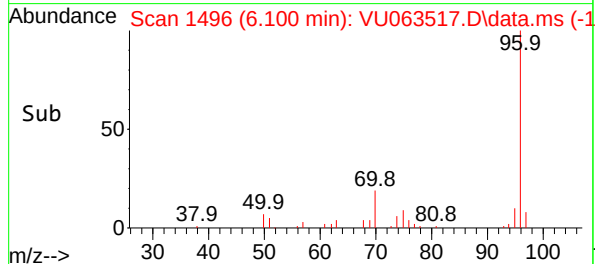
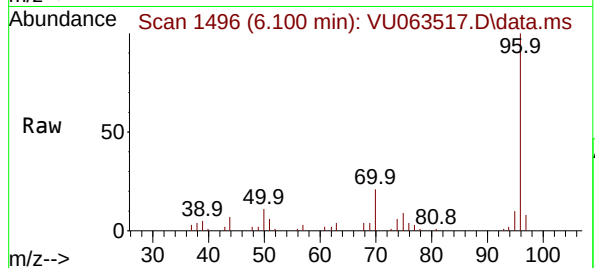
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 96 Resp: 2254
Ion Ratio Lower Upper
96 100
70 19.0 15.0 22.4
95 8.3 7.4 11.0
97 0.0 0.0 0.0

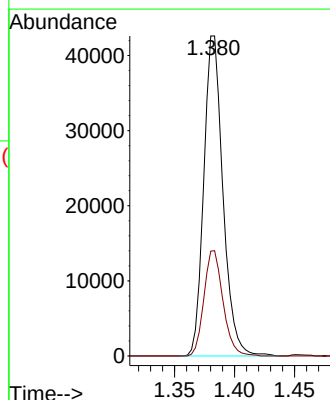
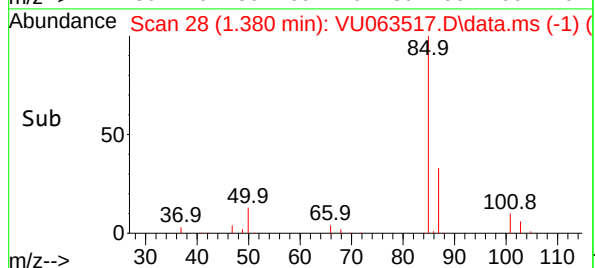
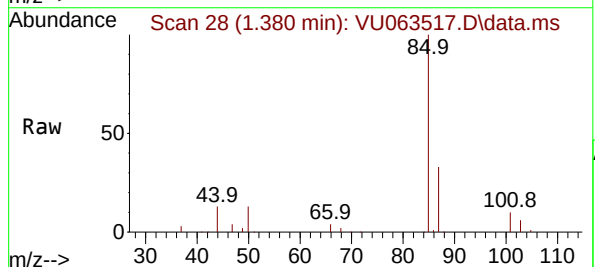
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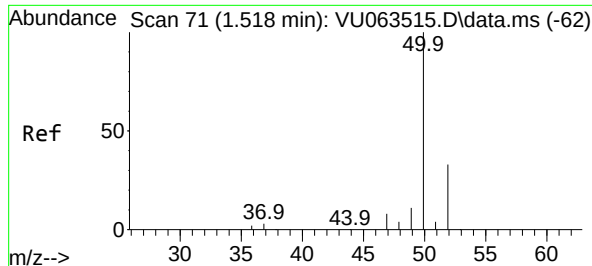
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#2
Dichlorodifluoromethane
Concen: 7.149 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion: 85 Resp: 47518
Ion Ratio Lower Upper
85 100
87 32.8 16.0 47.9





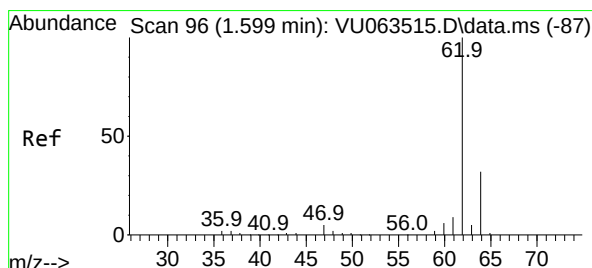
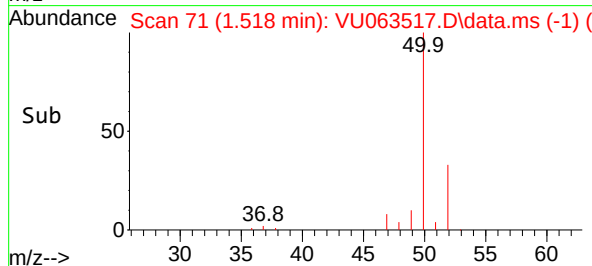
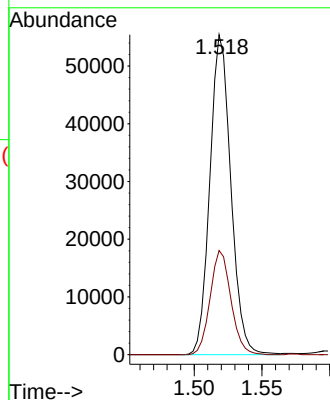
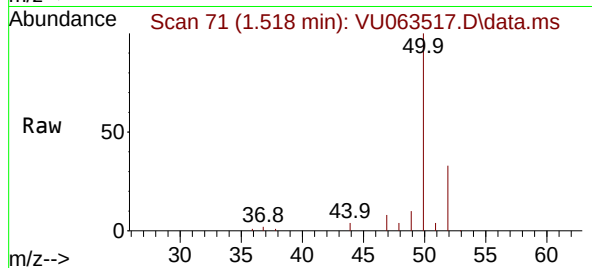
#3
Chloromethane
Concen: 9.652 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 50 Resp: 59639
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5

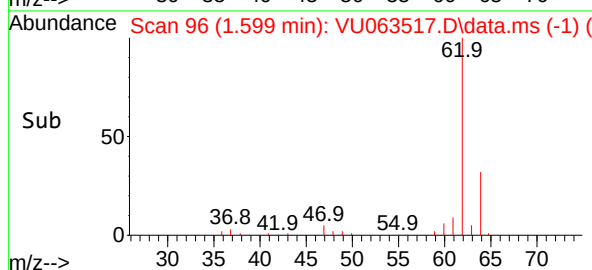
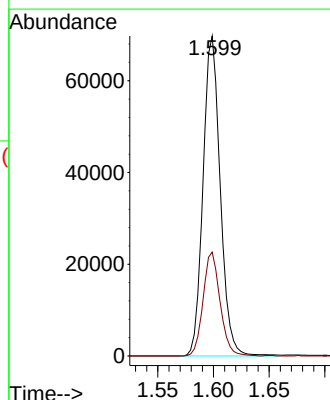
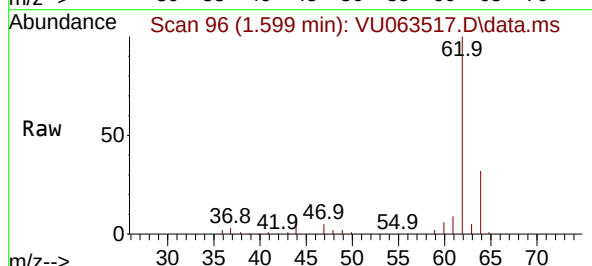
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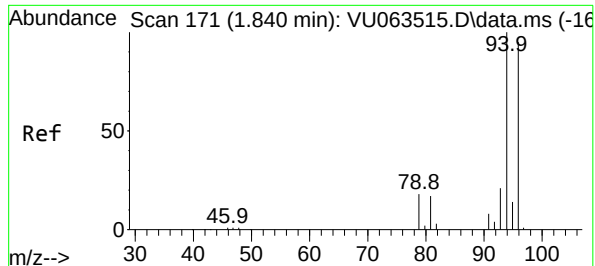
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#4
Vinyl Chloride
Concen: 9.533 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion: 62 Resp: 75020
Ion Ratio Lower Upper
62 100
64 32.4 25.7 38.5





#5

Bromomethane

Concen: 9.626 ug/l

RT: 1.846 min Scan# 171

Delta R.T. 0.007 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 94 Resp: 57124

Ion Ratio Lower Upper

94 100

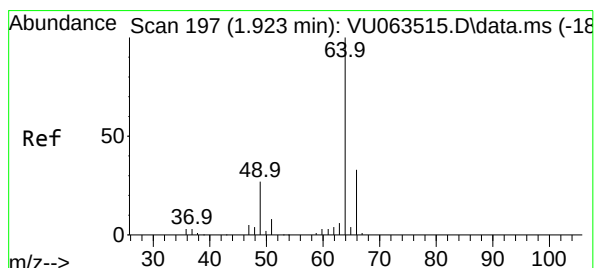
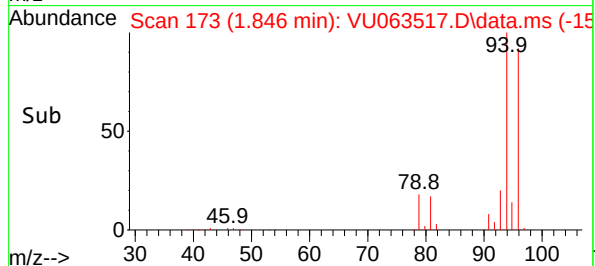
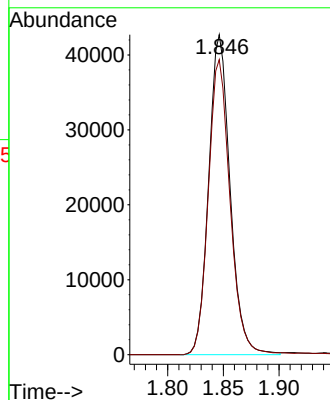
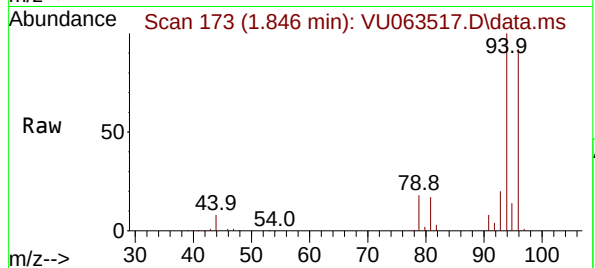
96 92.2 75.8 113.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#6

Chloroethane

Concen: 10.243 ug/l

RT: 1.924 min Scan# 197

Delta R.T. 0.000 min

Lab File: VU063517.D

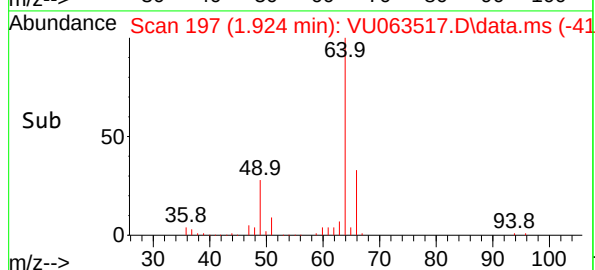
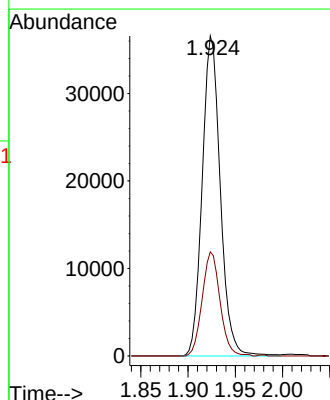
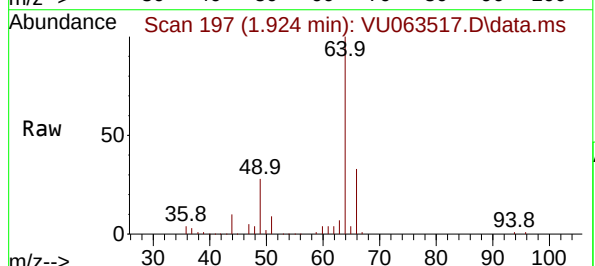
Acq: 16 Jul 2025 14:19

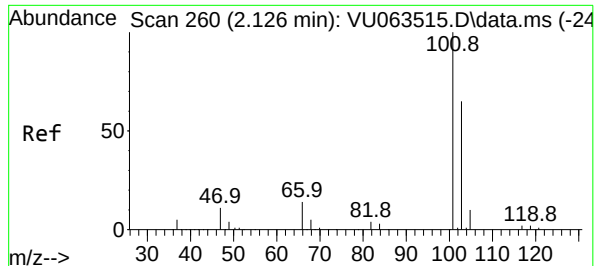
Tgt Ion: 64 Resp: 48669

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.4





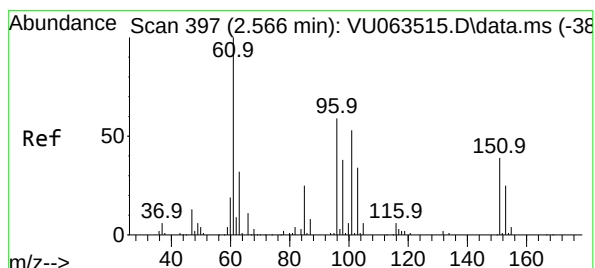
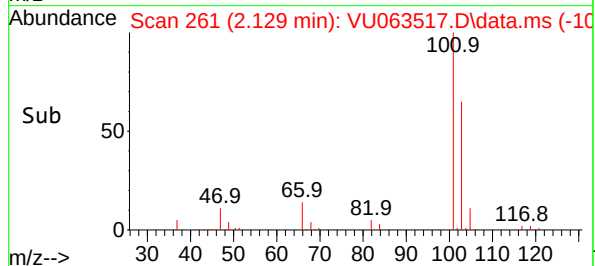
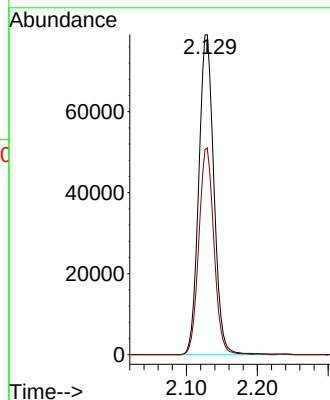
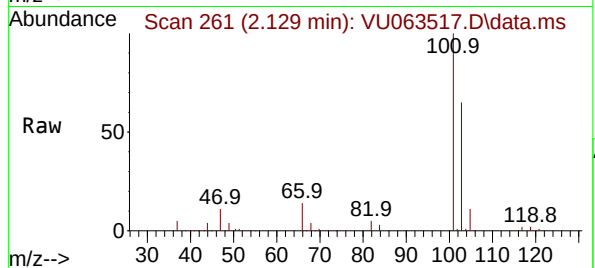
#7
Trichlorofluoromethane
Concen: 10.364 ug/l
RT: 2.129 min Scan# 260
Delta R.T. 0.003 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion:101 Resp: 11709
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4

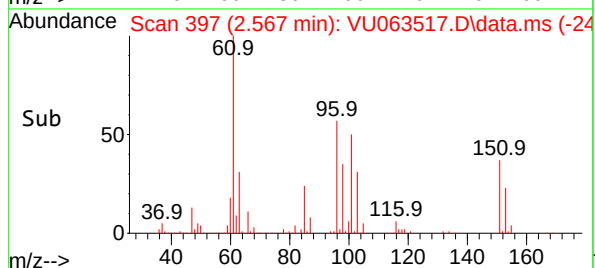
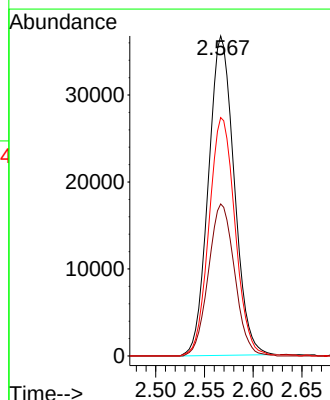
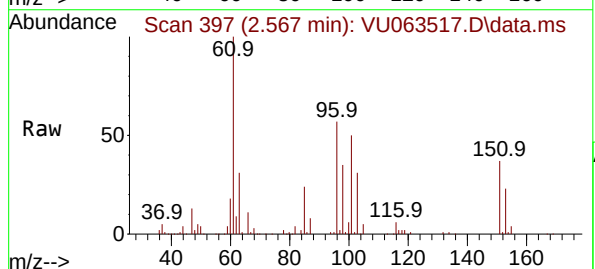
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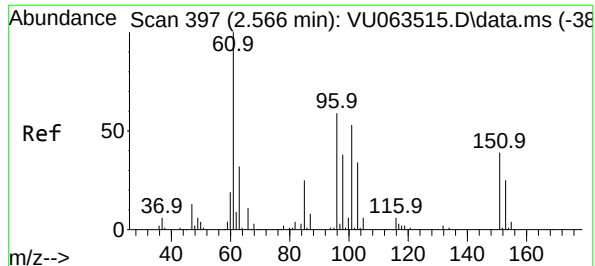
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.439 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:101 Resp: 67543
Ion Ratio Lower Upper
101 100
85 48.3 37.8 56.6
151 75.8 59.2 88.8





#9

1,1-Dichloroethene

Concen: 11.688 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 96 Resp: 6840

Ion Ratio Lower Upper

96 100

61 176.2 0.0 504.3

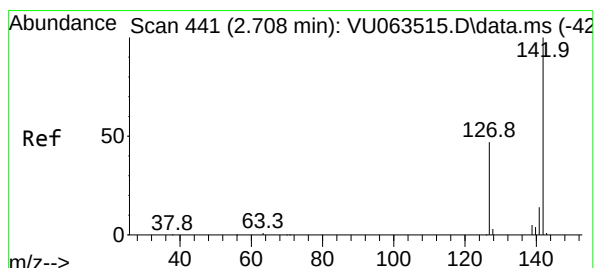
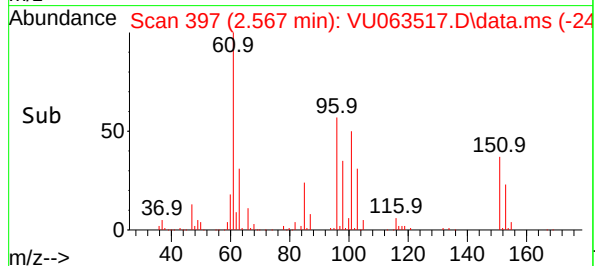
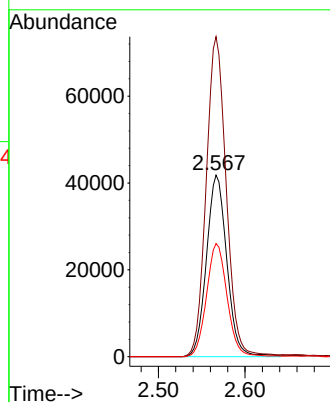
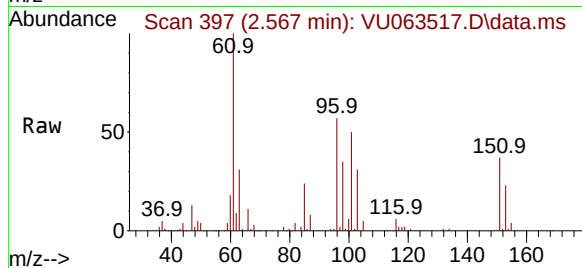
98 62.3 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 9.080 ug/l

RT: 2.708 min Scan# 441

Delta R.T. 0.000 min

Lab File: VU063517.D

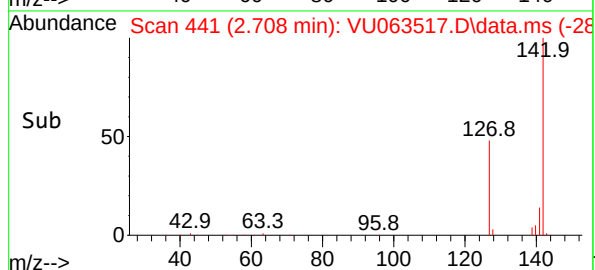
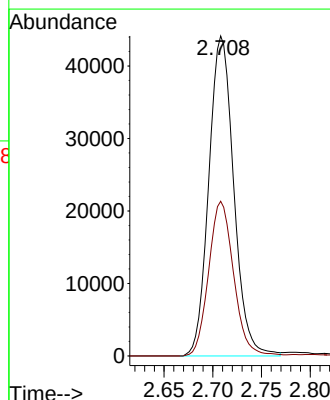
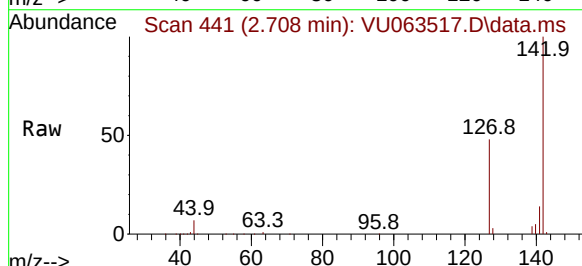
Acq: 16 Jul 2025 14:19

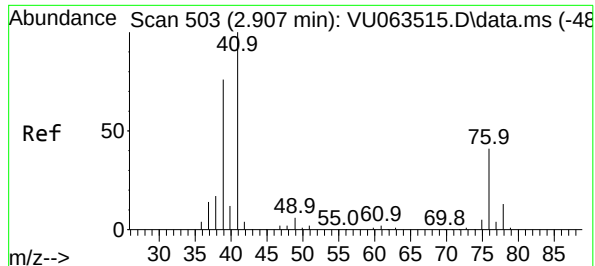
Tgt Ion:142 Resp: 78640

Ion Ratio Lower Upper

142 100

127 48.4 37.9 56.9





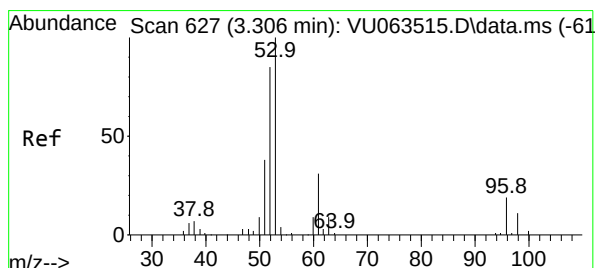
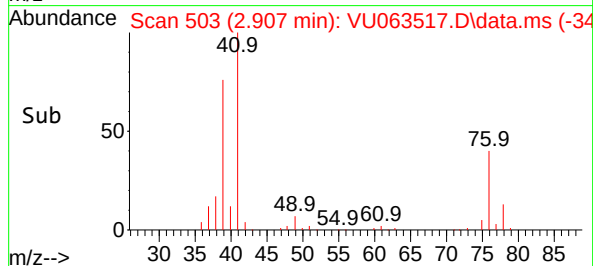
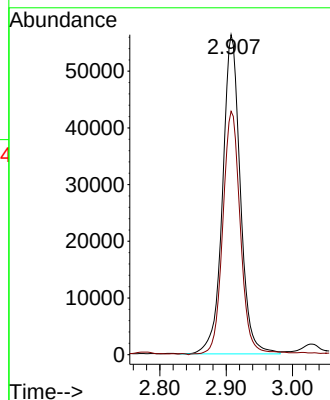
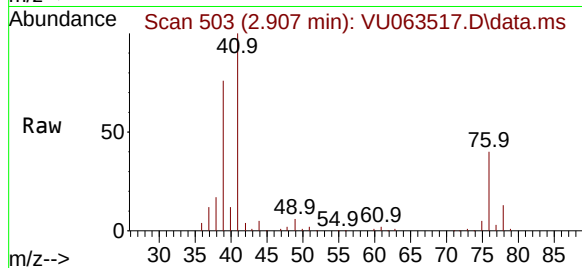
#11
Allyl Chloride
Concen: 12.385 ug/l
RT: 2.907 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 41 Resp: 10472
Ion Ratio Lower Upper
41 100
39 75.9 61.5 92.3

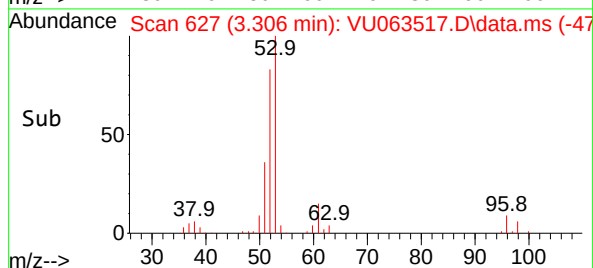
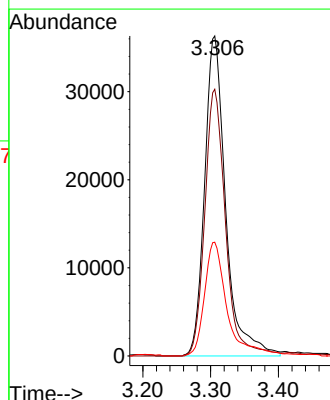
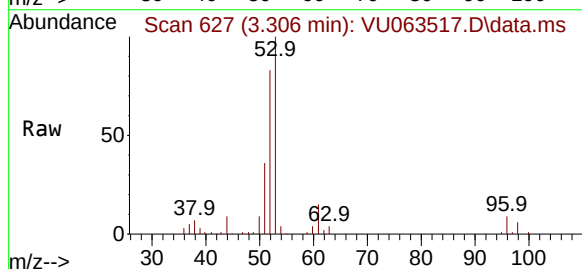
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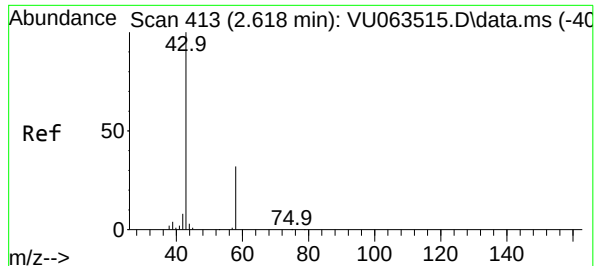
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#12
Acrylonitrile
Concen: 53.704 ug/l
RT: 3.306 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion: 53 Resp: 78654
Ion Ratio Lower Upper
53 100
52 81.9 64.3 96.5
51 38.3 27.8 41.8





#13

Acetone

Concen: 65.587 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 43 Resp: 76920

Ion Ratio Lower Upper

43 100

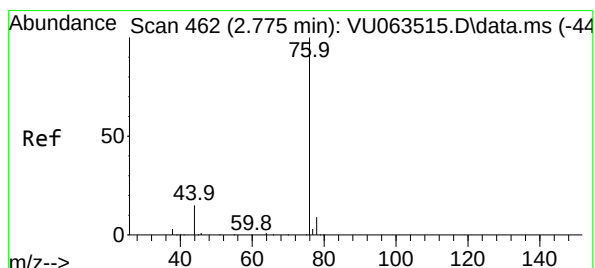
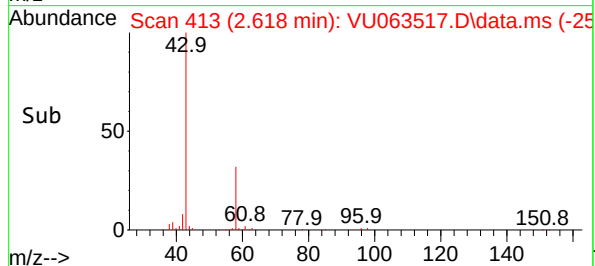
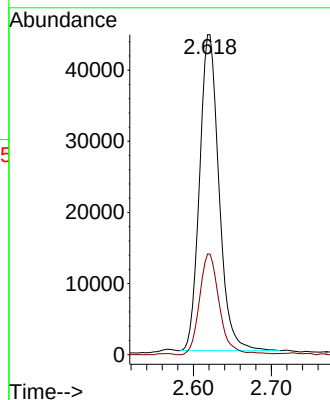
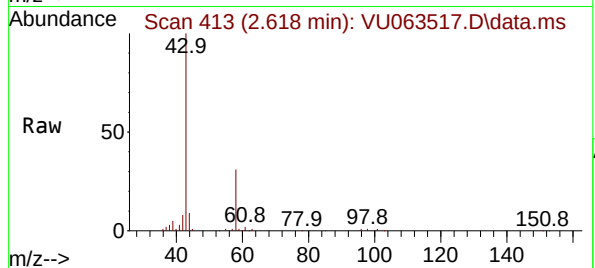
58 31.8 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 10.434 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063517.D

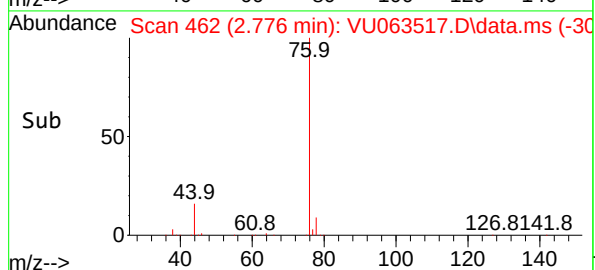
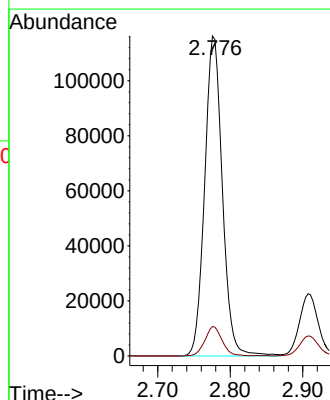
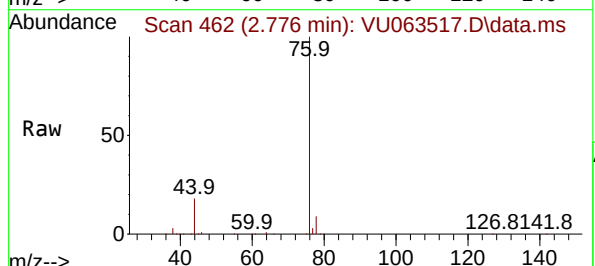
Acq: 16 Jul 2025 14:19

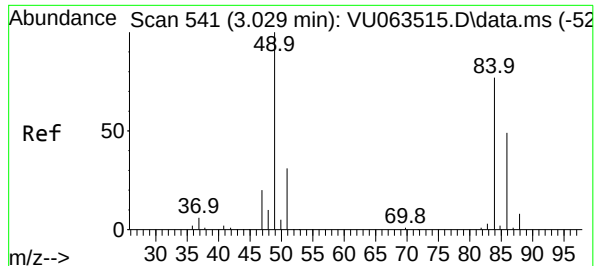
Tgt Ion: 76 Resp: 197248

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





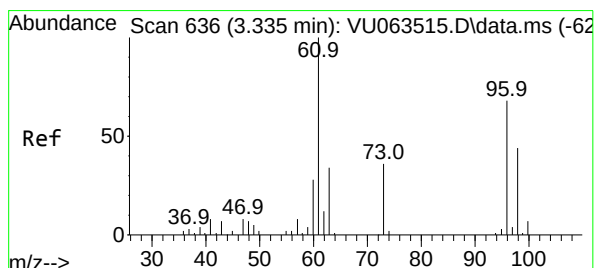
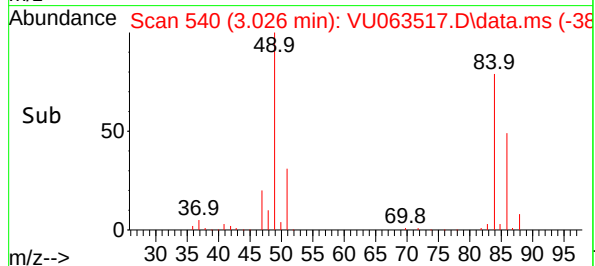
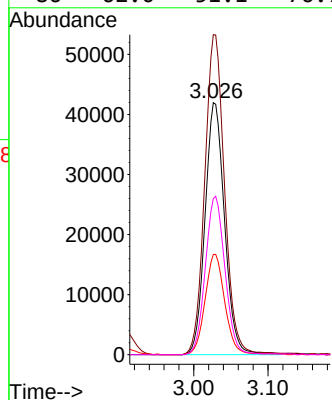
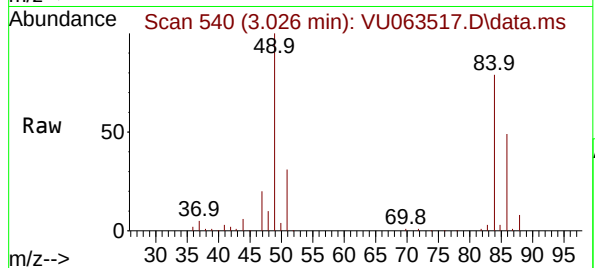
#15
Methylene Chloride
Concen: 11.133 ug/l
RT: 3.026 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 84 Resp: 7671
Ion Ratio Lower Upper
84 100
49 127.0 103.8 155.8
51 39.8 0.0 80.4
86 62.0 51.1 76.7

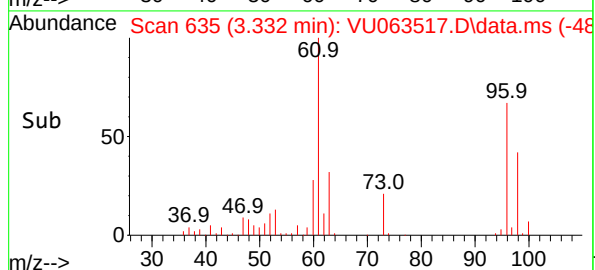
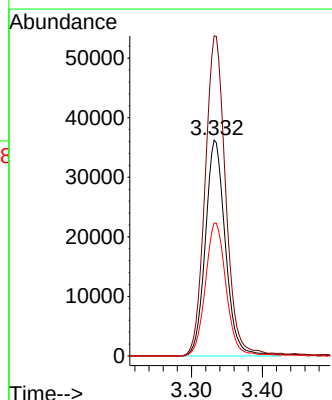
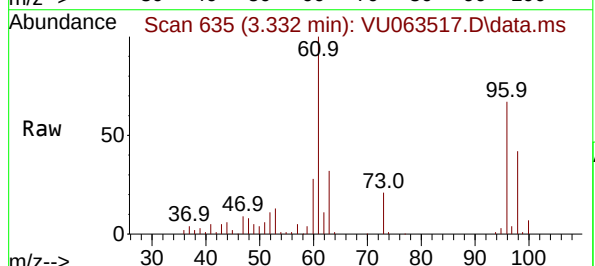
Manual Integrations
APPROVED

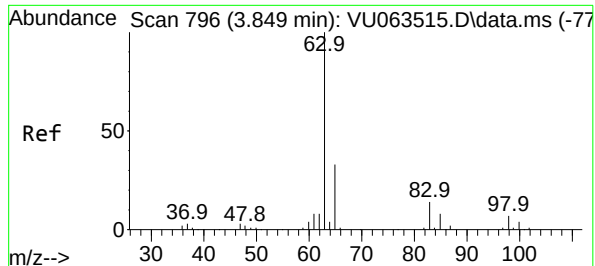
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#16
trans-1,2-Dichloroethene
Concen: 10.705 ug/l
RT: 3.332 min Scan# 635
Delta R.T. -0.003 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion: 96 Resp: 71158
Ion Ratio Lower Upper
96 100
61 148.2 117.2 175.8
98 61.6 51.4 77.2





#17

1,1-Dichloroethane

Concen: 11.390 ug/l

RT: 3.846 min Scan# 796

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

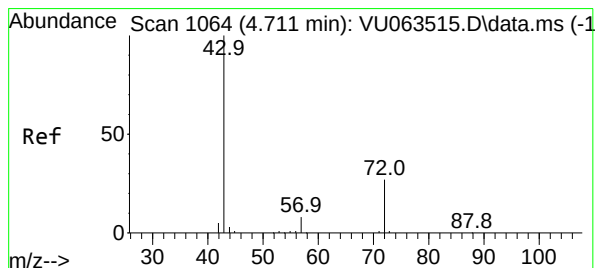
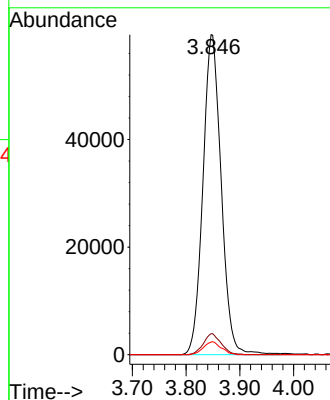
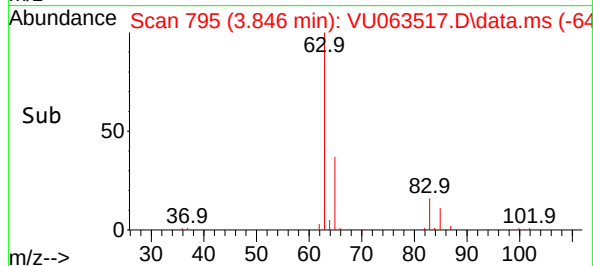
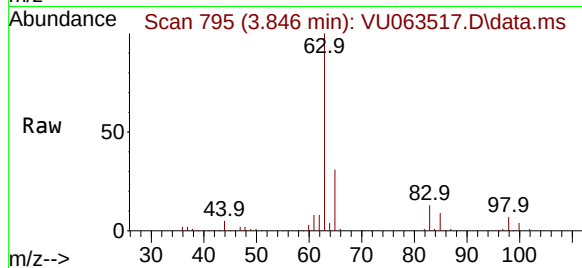
ClientSampleId :

ICVVU071625

Tgt Ion:	63	Resp:	140320
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.4	10.2
100	4.0	2.1	6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 59.104 ug/l

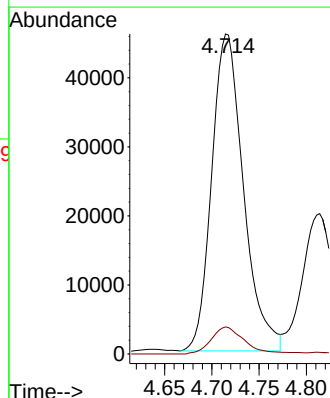
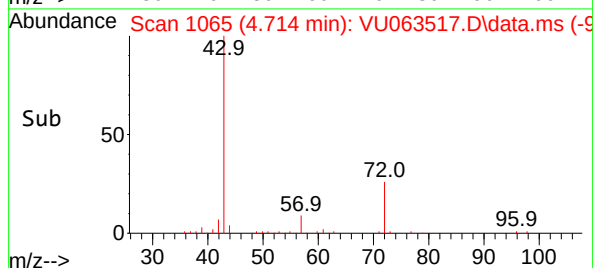
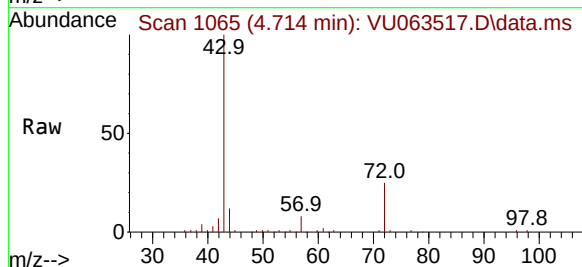
RT: 4.714 min Scan# 1065

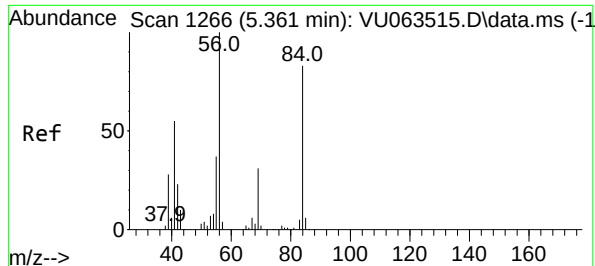
Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion:	43	Resp:	107346
Ion Ratio	Lower	Upper	
43	100		
57	8.5	0.0	16.4





#19

Cyclohexane

Concen: 11.523 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 56 Resp: 12020

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

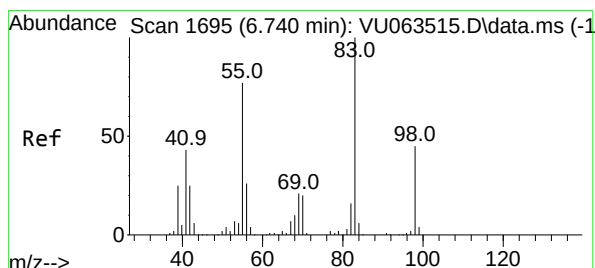
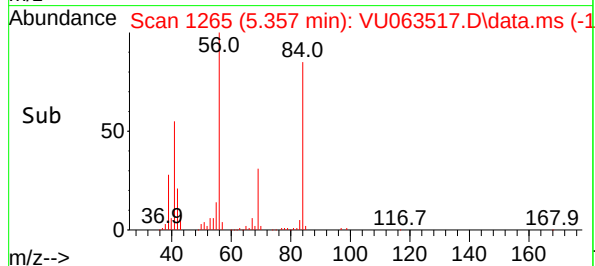
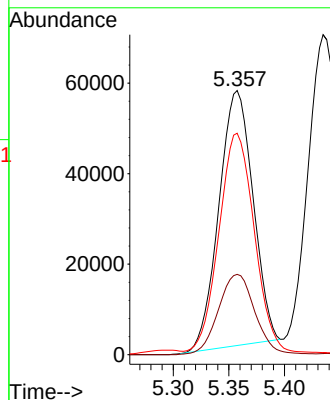
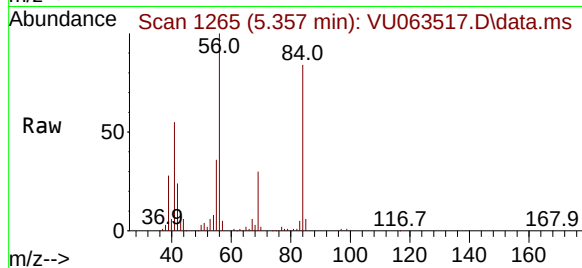
84 88.4 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 10.246 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

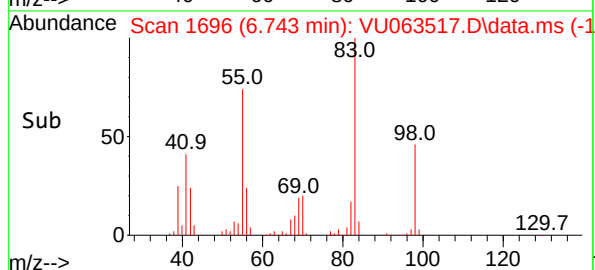
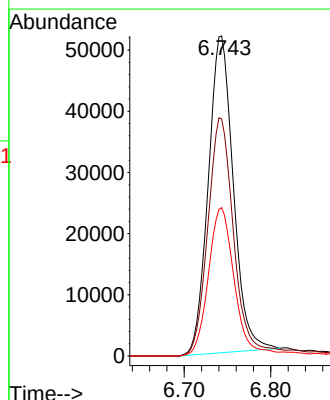
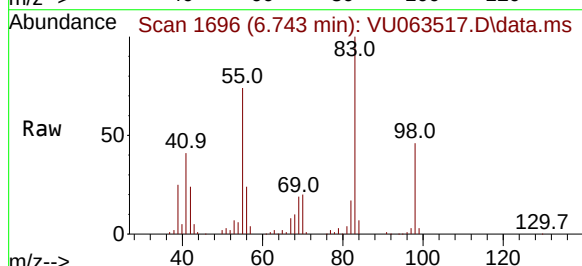
Tgt Ion: 83 Resp: 103883

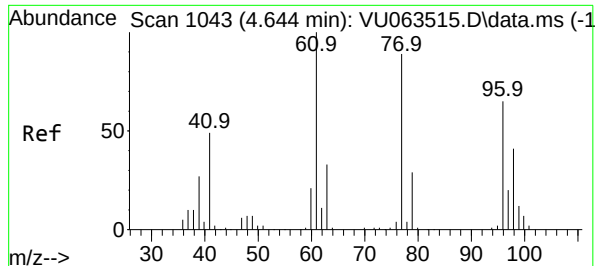
Ion Ratio Lower Upper

83 100

55 75.1 60.6 90.8

98 48.3 35.8 53.8





#21

2,2-Dichloropropane

Concen: 11.251 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 77 Resp: 11803

Ion Ratio Lower Upper

77 100

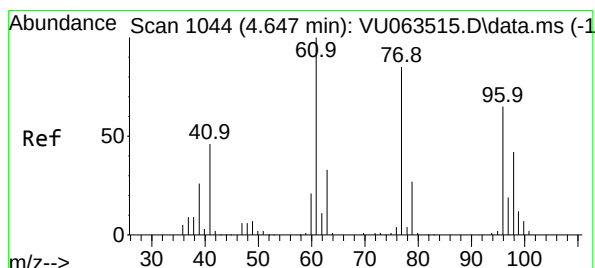
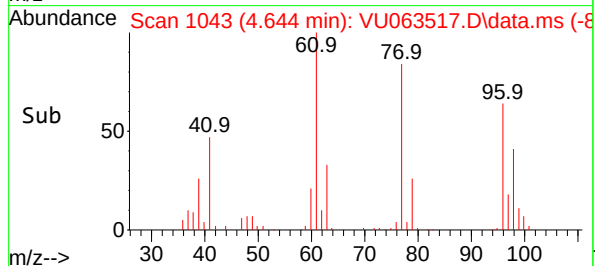
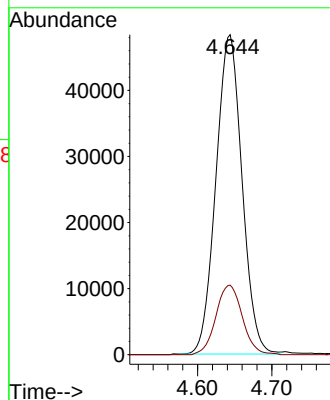
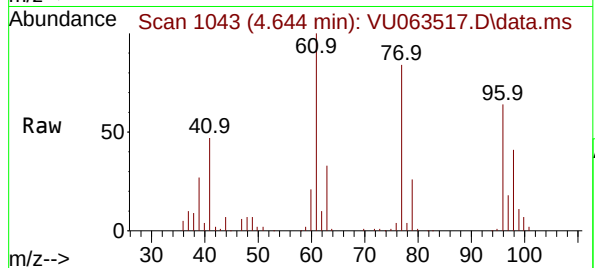
97 22.1 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 11.753 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

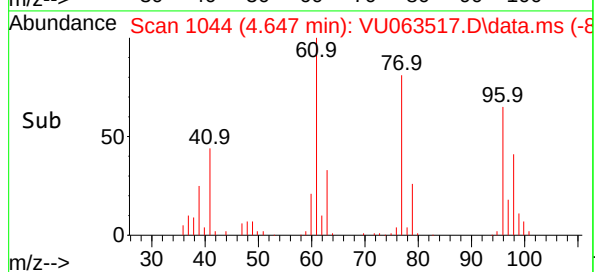
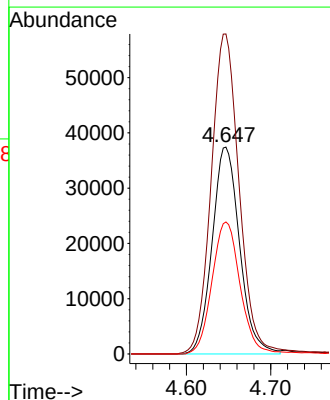
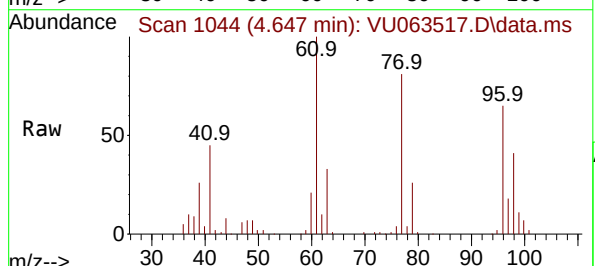
Tgt Ion: 96 Resp: 84773

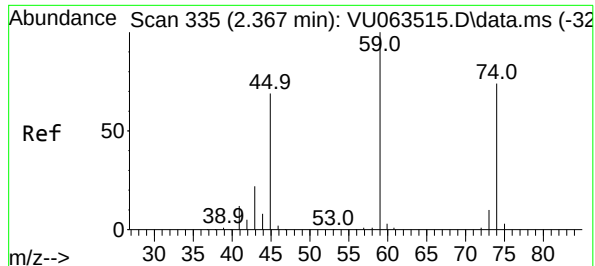
Ion Ratio Lower Upper

96 100

61 158.2 0.0 384.7

98 65.6 32.1 96.3





#23

Diethyl Ether

Concen: 10.895 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 59 Resp: 4858

Ion Ratio Lower Upper

59 100

45 69.6 55.1 82.7

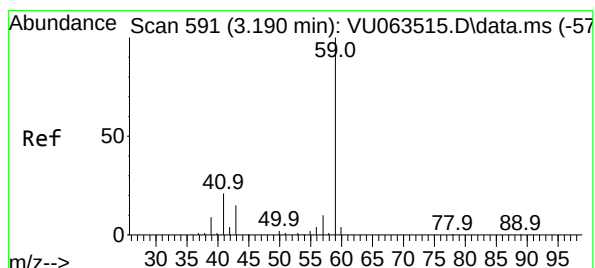
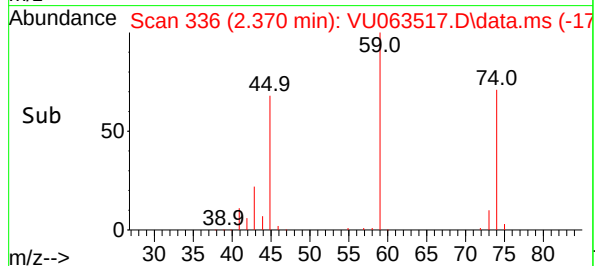
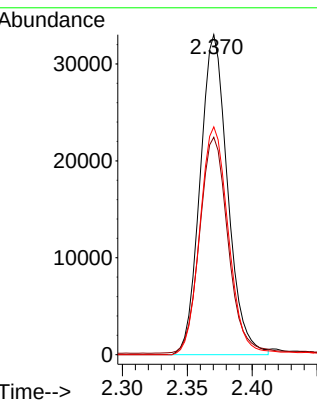
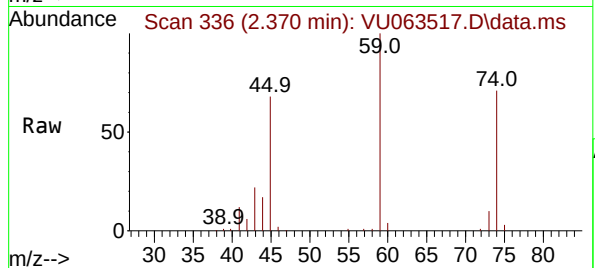
74 74.2 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 54.858 ug/l

RT: 3.194 min Scan# 592

Delta R.T. 0.003 min

Lab File: VU063517.D

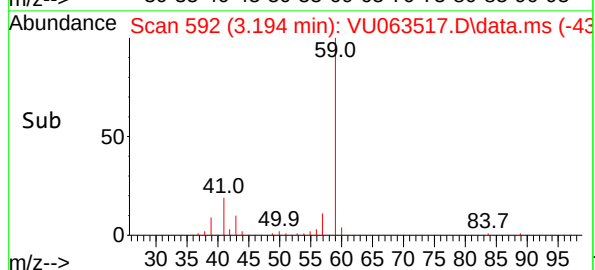
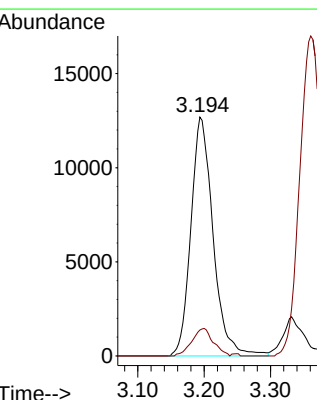
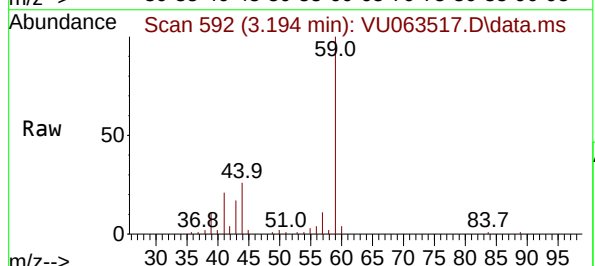
Acq: 16 Jul 2025 14:19

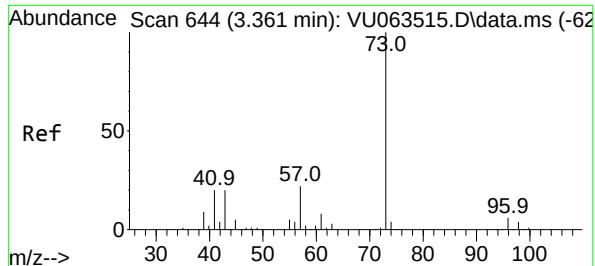
Tgt Ion: 59 Resp: 29533

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8





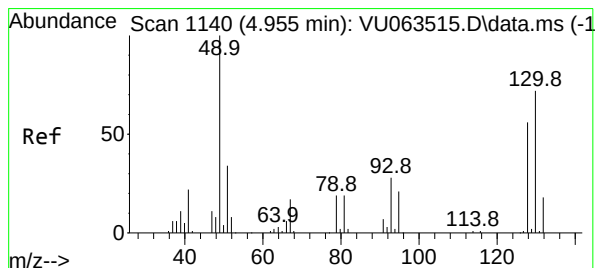
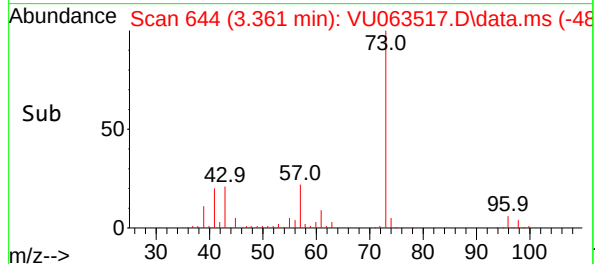
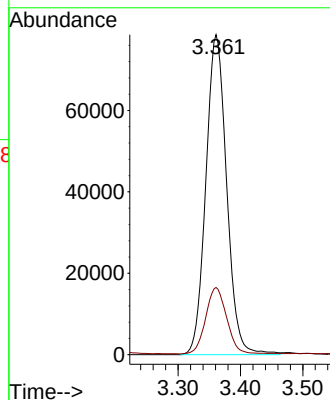
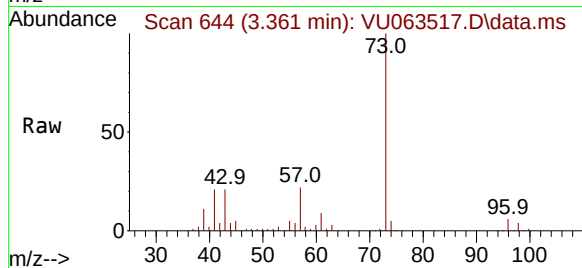
#25
Methyl tert-Butyl Ether
Concen: 11.931 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 73 Resp: 182295
Ion Ratio Lower Upper
73 100
43 20.8 16.2 24.2

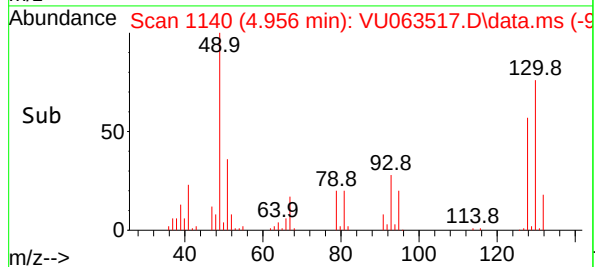
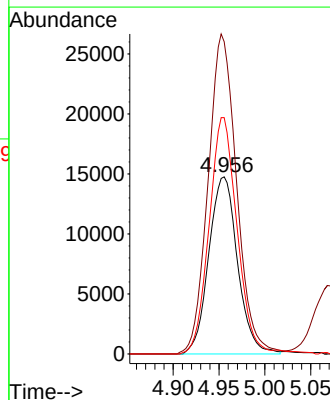
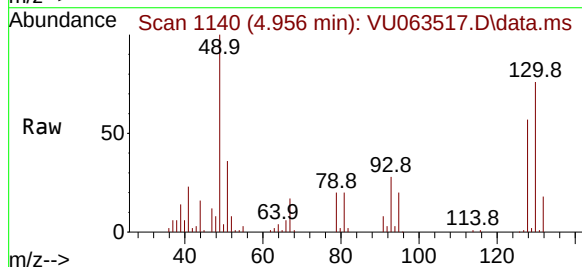
Manual Integrations
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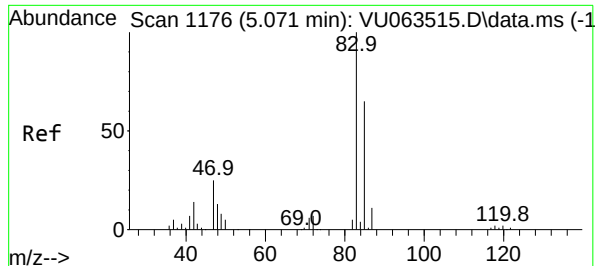
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#26
Bromochloromethane
Concen: 10.701 ug/l
RT: 4.956 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:128 Resp: 32227
Ion Ratio Lower Upper
128 100
49 178.8 0.0 340.8
130 128.9 100.5 150.7





#27

Chloroform

Concen: 11.295 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 83 Resp: 141992

Ion Ratio Lower Upper

83 100

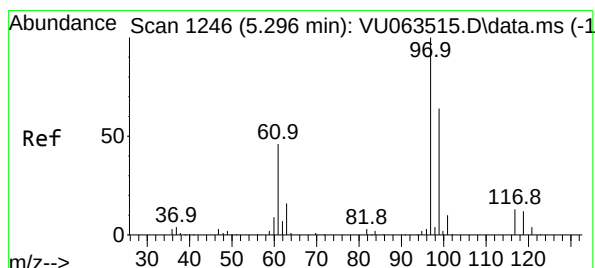
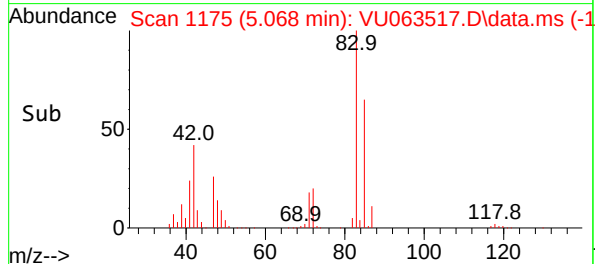
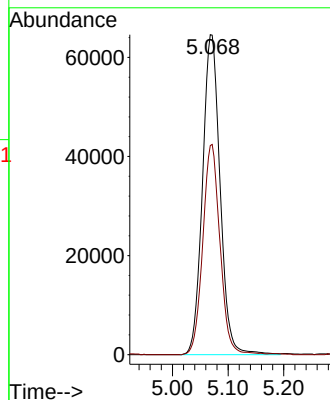
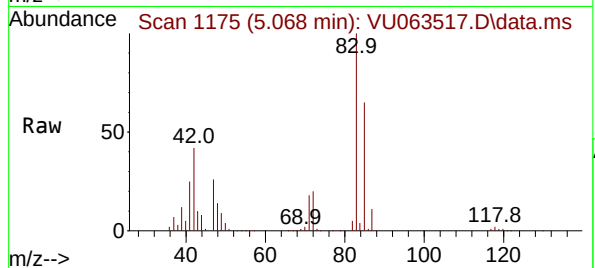
85 65.3 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 11.694 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

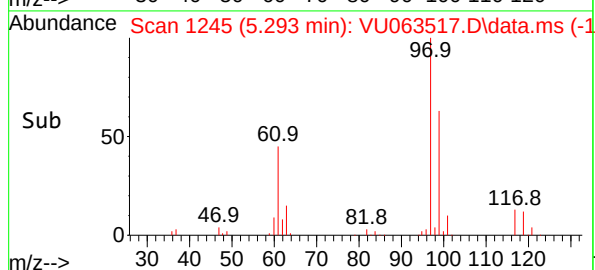
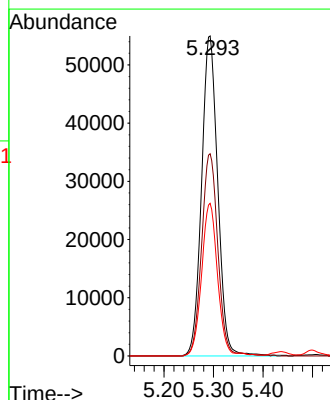
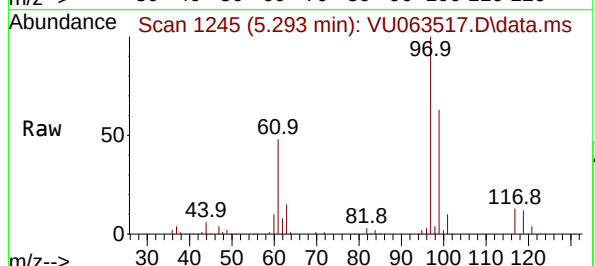
Tgt Ion: 97 Resp: 124774

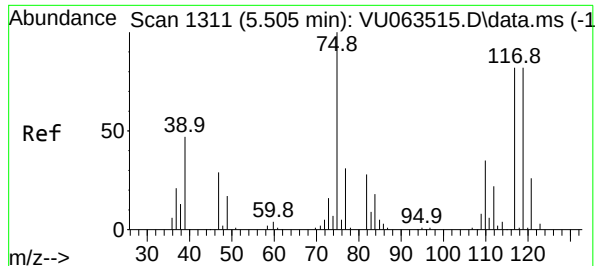
Ion Ratio Lower Upper

97 100

99 63.6 31.8 95.3

61 46.7 23.3 69.9





#29

1,1-Dichloropropene

Concen: 10.604 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.006 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 75 Resp: 10481

Ion Ratio Lower Upper

75 100

110 33.1 17.8 53.4

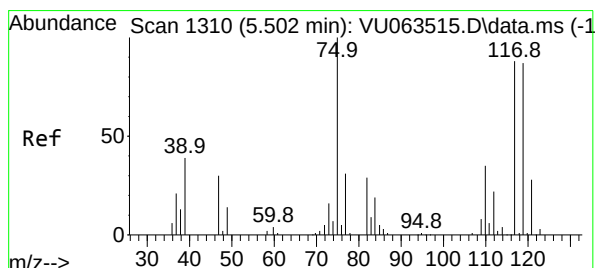
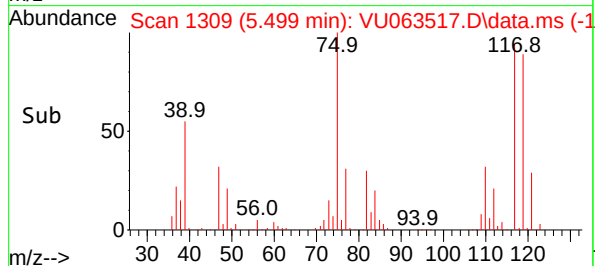
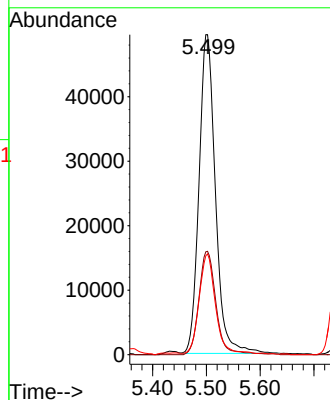
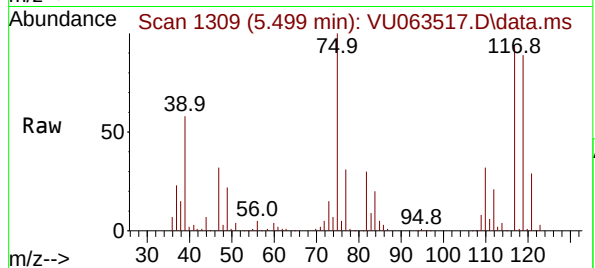
77 30.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 11.881 ug/l

RT: 5.496 min Scan# 1308

Delta R.T. -0.006 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

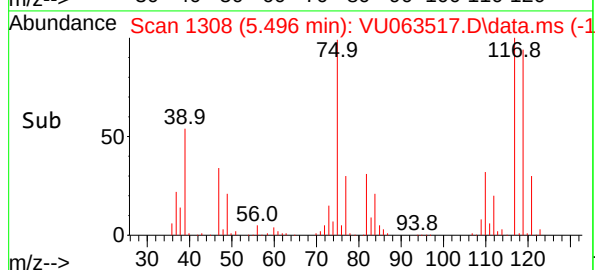
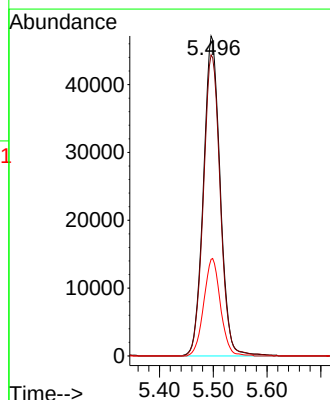
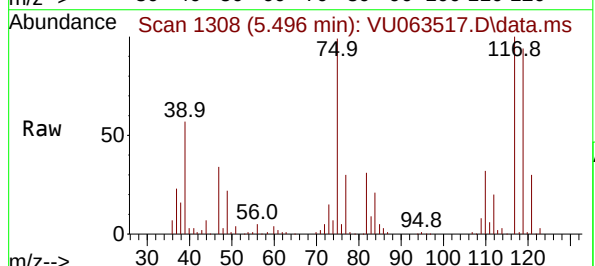
Tgt Ion:117 Resp: 102031

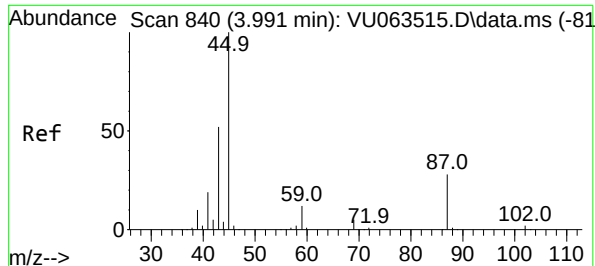
Ion Ratio Lower Upper

117 100

119 94.1 79.2 118.8

121 30.2 25.5 38.3





#31

Isopropyl Ether

Concen: 11.694 ug/l

RT: 3.994 min Scan# 840

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 45 Resp: 21747

Ion Ratio Lower Upper

45 100

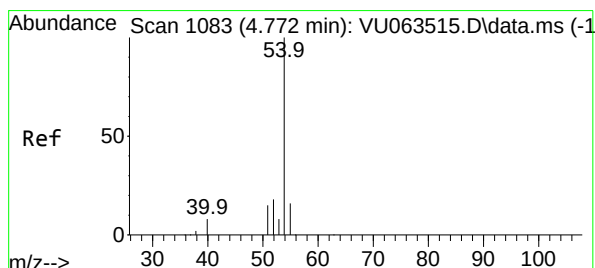
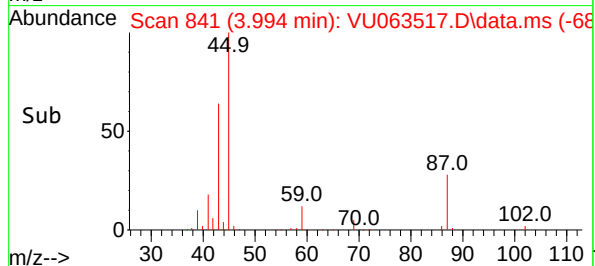
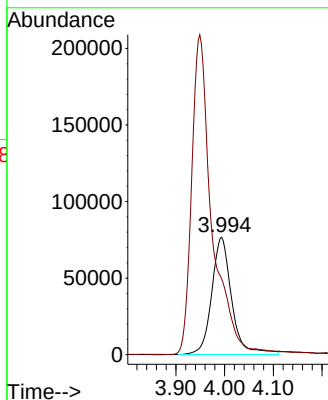
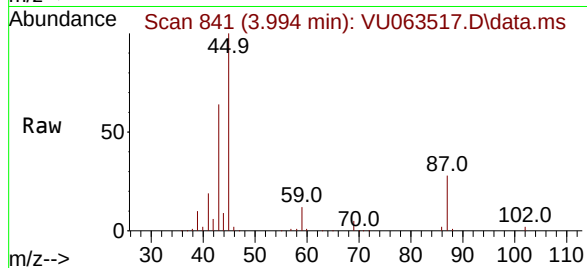
43 280.0 25.7 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 110.315 ug/l

RT: 4.775 min Scan# 1084

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion: 54 Resp: 61045

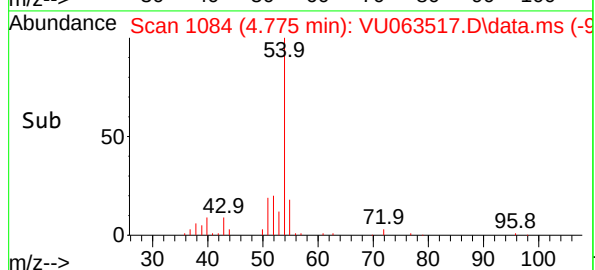
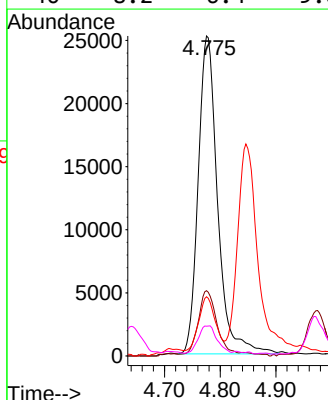
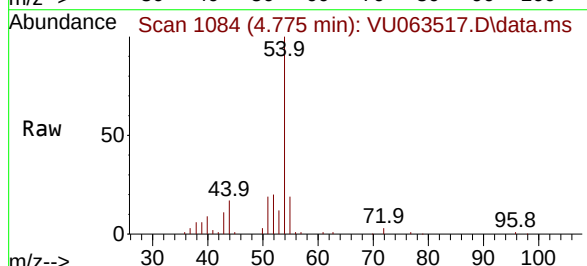
Ion Ratio Lower Upper

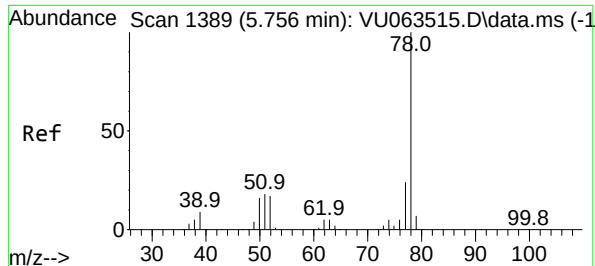
54 100

52 18.3 17.0 25.4

55 15.3 13.6 20.4

40 8.2 6.4 9.6





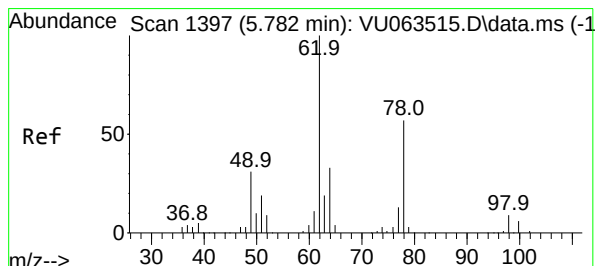
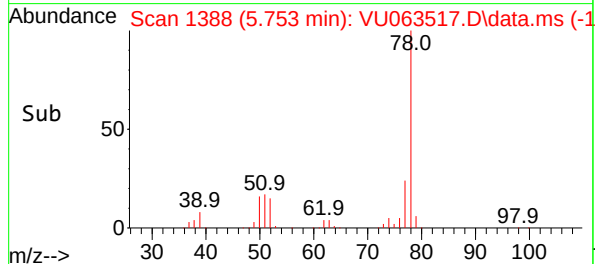
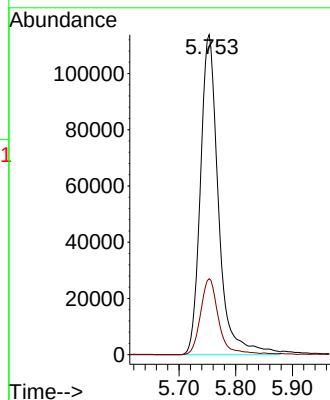
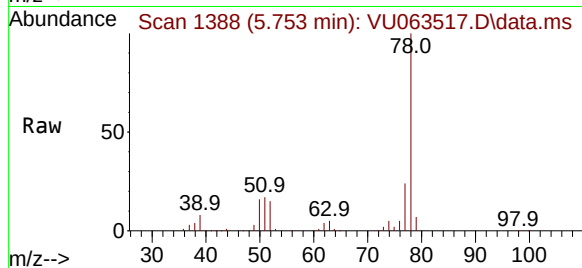
#35
Benzene
Concen: 9.485 ug/l
RT: 5.753 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion: 78 Resp: 251880
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.2

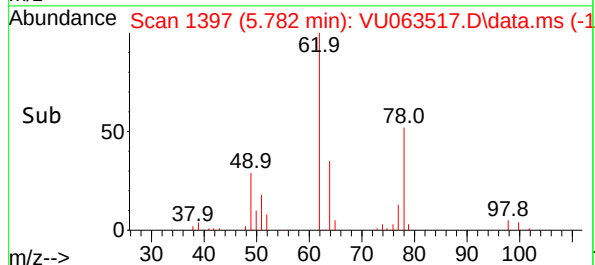
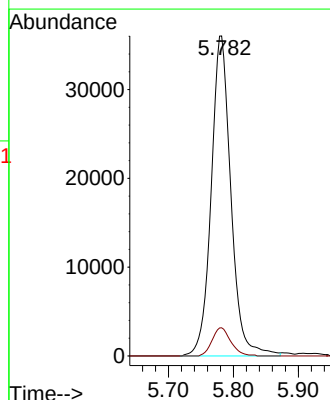
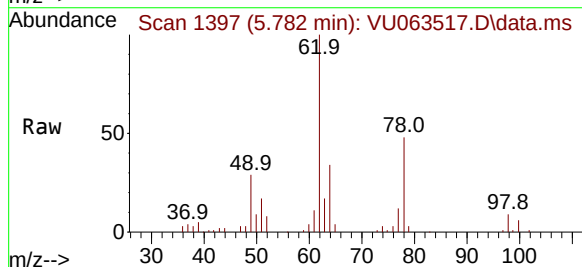
Manual Integrations
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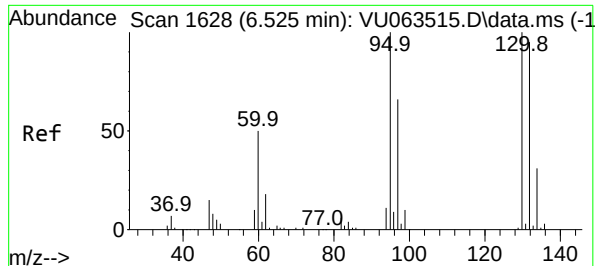
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#36
1,2-Dichloroethane
Concen: 9.208 ug/l
RT: 5.782 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion: 62 Resp: 75983
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6





#37

Trichloroethene

Concen: 9.864 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:130 Resp: 66834

Ion Ratio Lower Upper

130 100

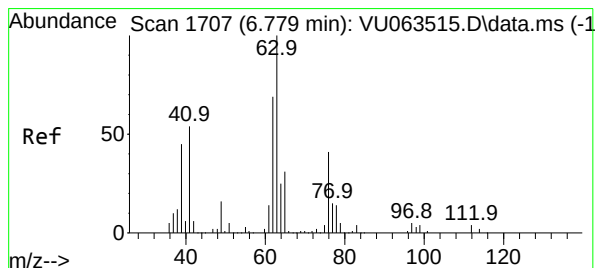
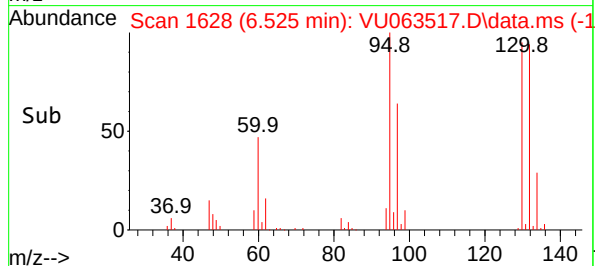
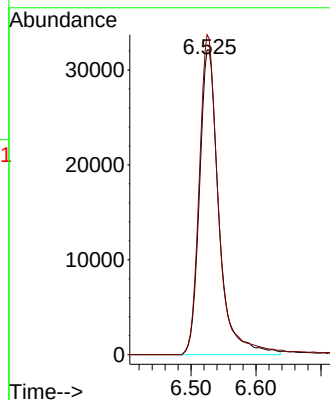
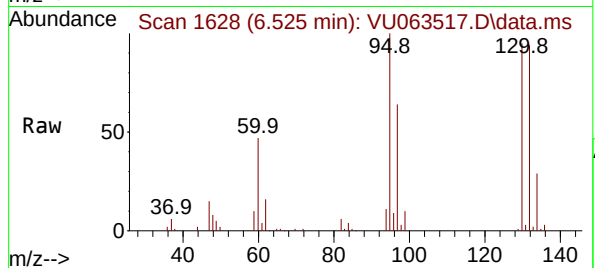
95 105.0 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 10.152 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063517.D

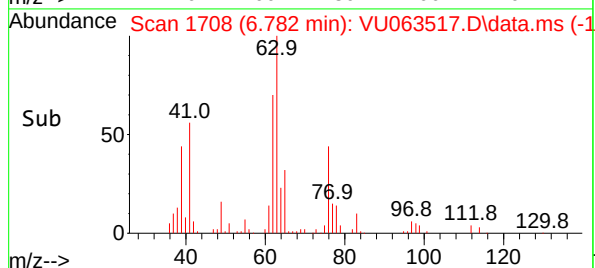
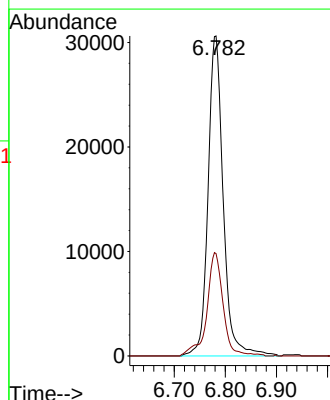
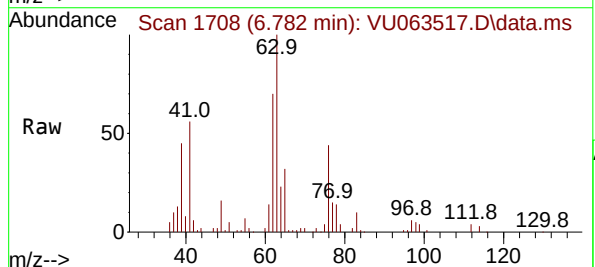
Acq: 16 Jul 2025 14:19

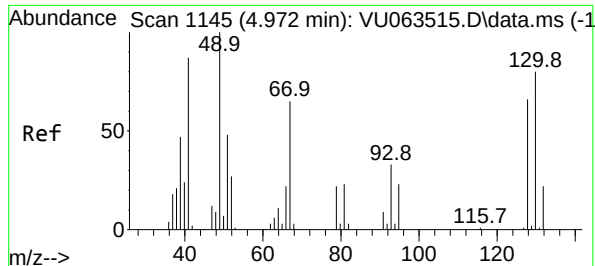
Tgt Ion: 63 Resp: 63102

Ion Ratio Lower Upper

63 100

65 32.0 24.6 36.8





#39

Methacrylonitrile

Concen: 10.571 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 41 Resp: 25678

Ion Ratio Lower Upper

41 100

67 80.4 62.7 94.1

39 55.5 43.1 64.7

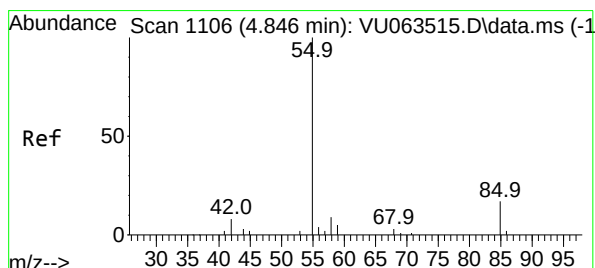
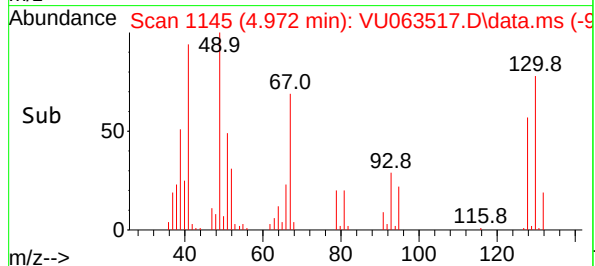
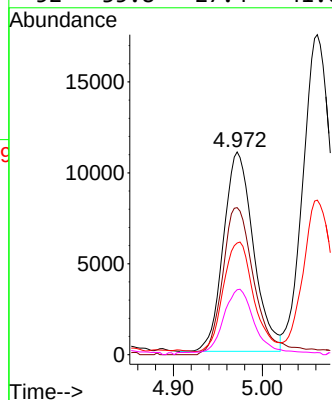
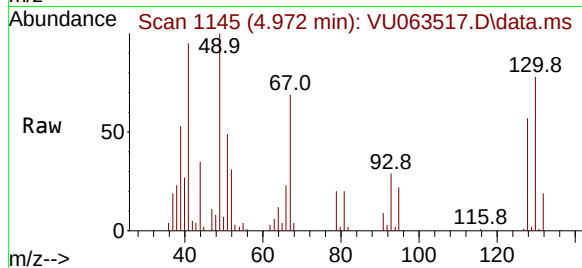
52 35.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 10.962 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion: 55 Resp: 39416

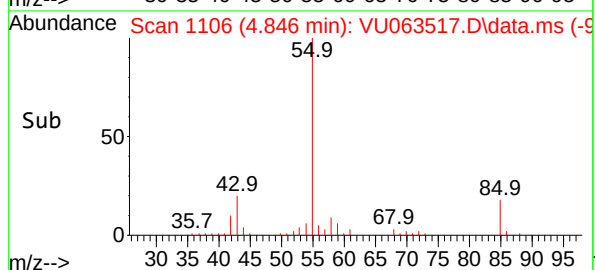
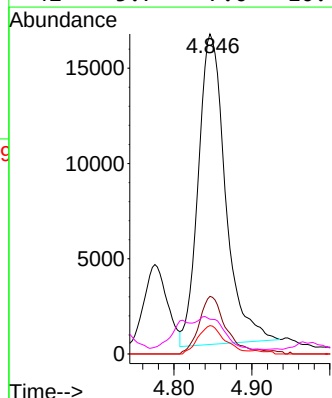
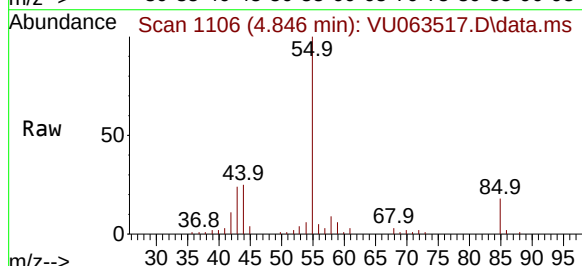
Ion Ratio Lower Upper

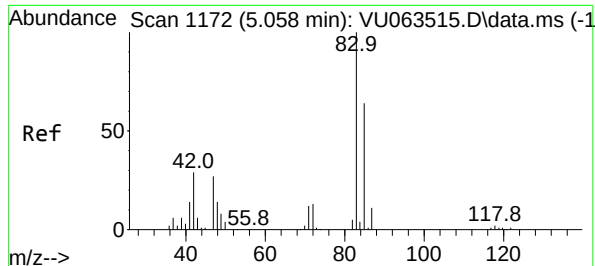
55 100

85 17.9 12.8 19.2

58 9.1 7.0 10.4

42 5.7 7.0 10.4#





#41

Tetrahydrofuran

Concen: 52.040 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 42 Resp: 6733

Ion Ratio Lower Upper

42 100

72 45.7 39.2 58.8

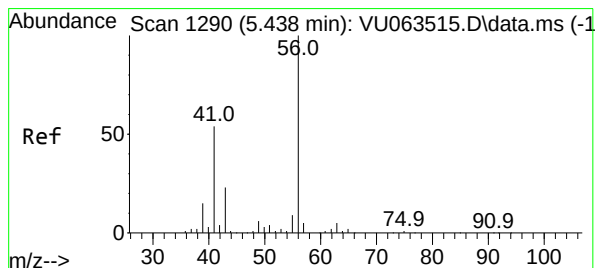
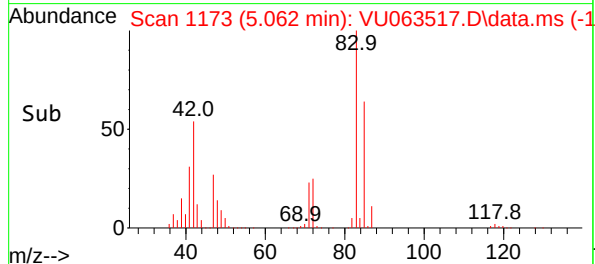
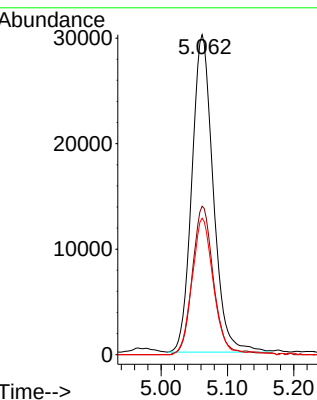
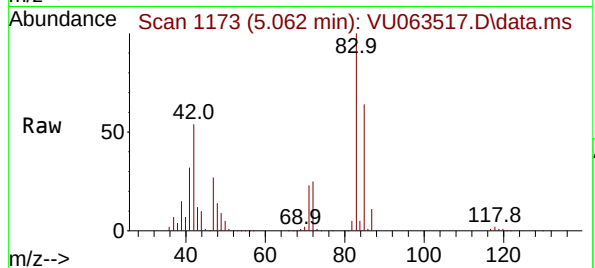
71 42.9 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 11.532 ug/l

RT: 5.435 min Scan# 1289

Delta R.T. -0.003 min

Lab File: VU063517.D

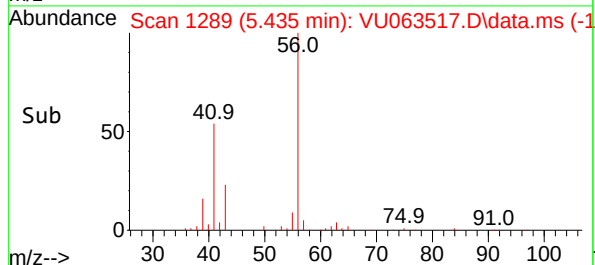
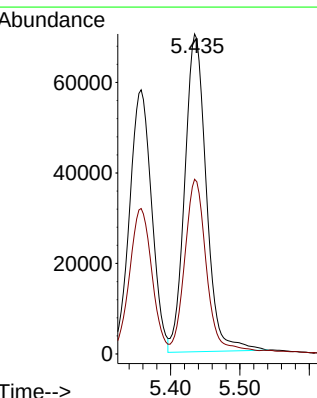
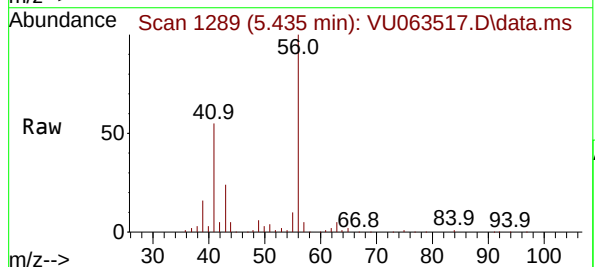
Acq: 16 Jul 2025 14:19

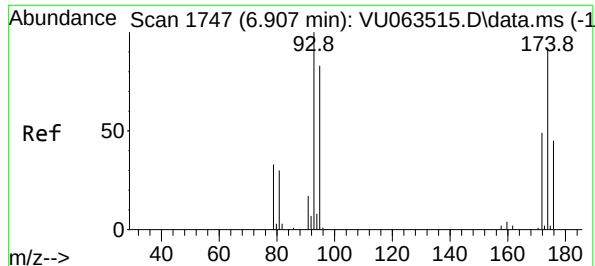
Tgt Ion: 56 Resp: 151540

Ion Ratio Lower Upper

56 100

41 53.7 26.7 80.0





#43

Dibromomethane

Concen: 11.149 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 93 Resp: 3589

Ion Ratio Lower Upper

93 100

95 83.7 67.9 101.9

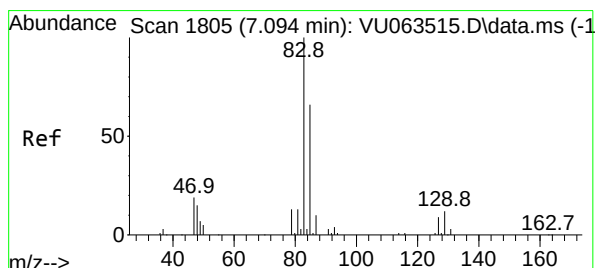
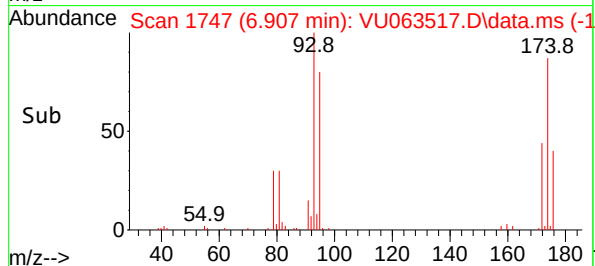
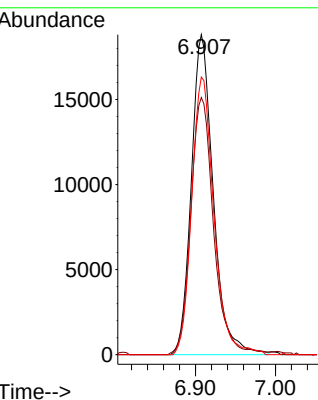
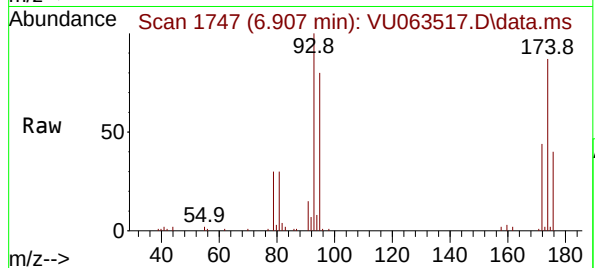
174 88.0 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 11.611 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

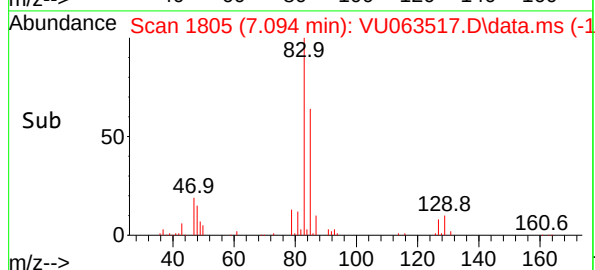
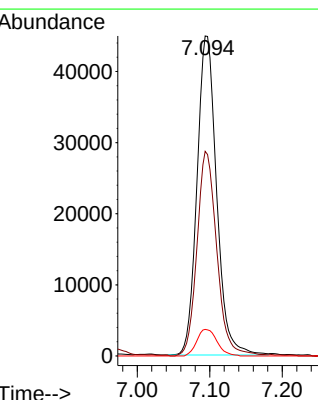
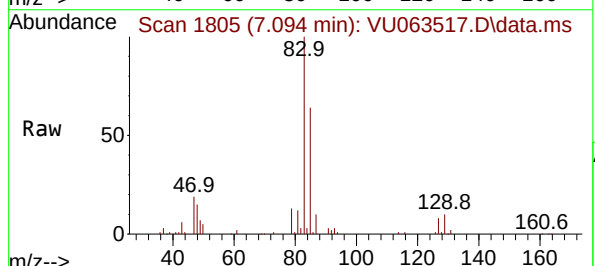
Tgt Ion: 83 Resp: 84311

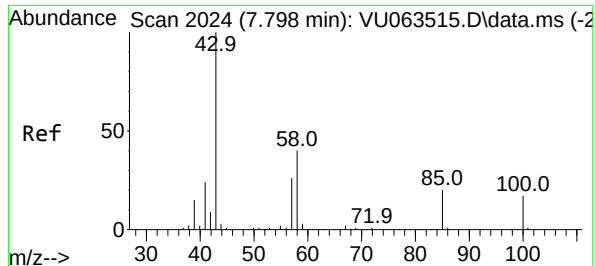
Ion Ratio Lower Upper

83 100

85 63.9 52.7 79.1

127 8.3 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 57.520 ug/l

RT: 7.795 min Scan# 2024

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 43 Resp: 190879

Ion Ratio Lower Upper

43 100

58 39.9 20.0 60.0

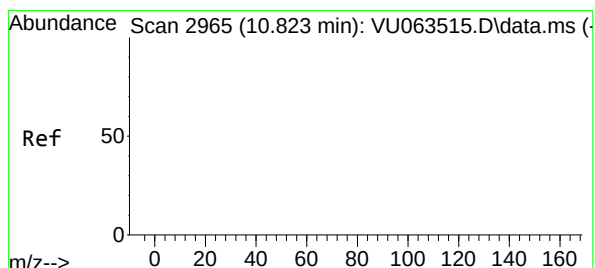
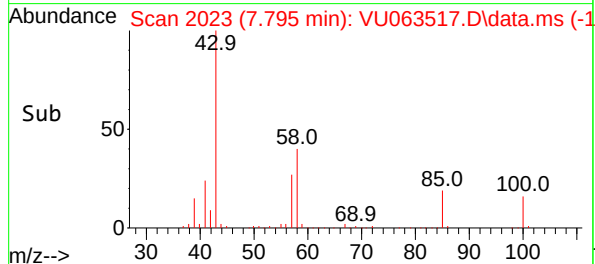
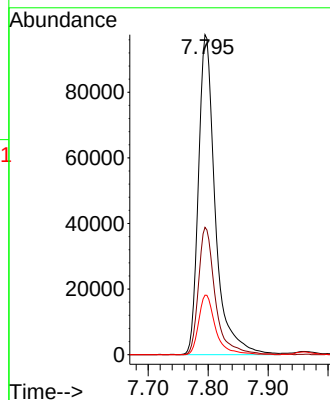
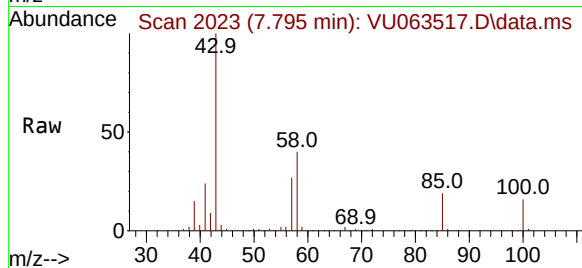
85 18.7 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 10.924 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion: 75 Resp: 12861

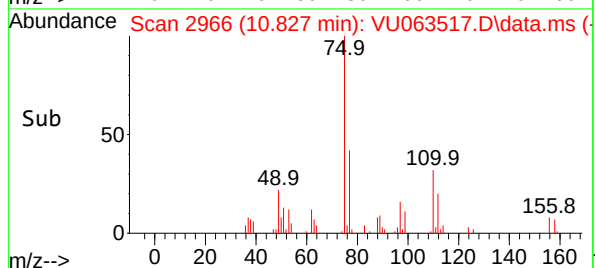
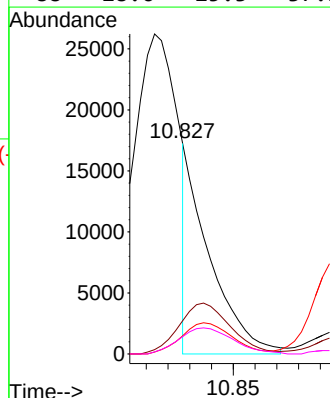
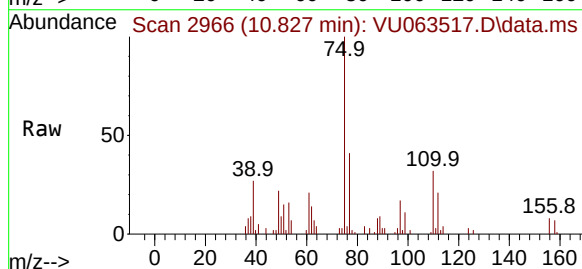
Ion Ratio Lower Upper

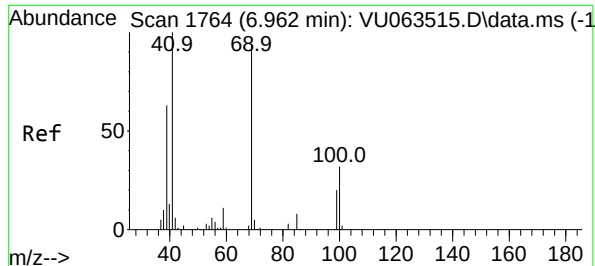
75 100

53 53.4 48.4 72.6

89 32.0 30.6 45.8

88 28.6 25.3 37.9





#47

Methyl methacrylate

Concen: 11.336 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 69 Resp: 3065

Ion Ratio Lower Upper

69 100

41 100.5 0.0 224.0

39 64.1 55.3 82.9

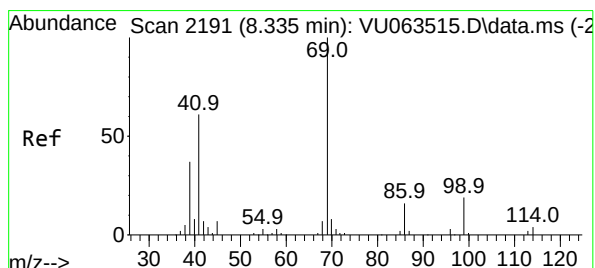
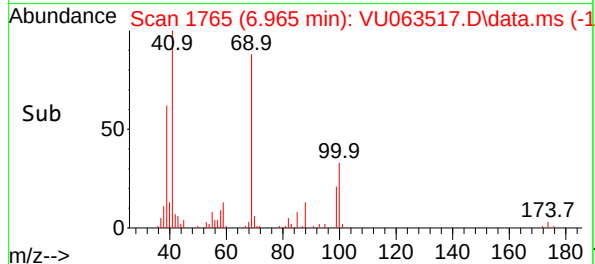
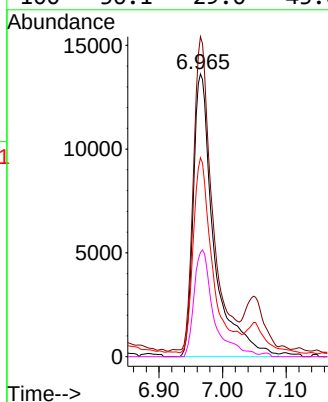
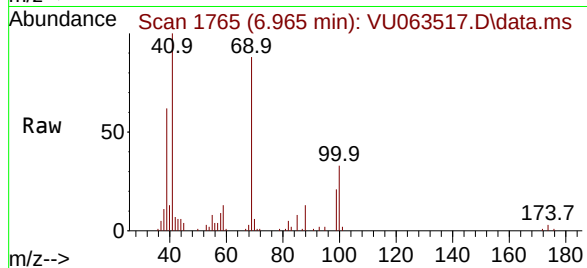
100 36.1 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 12.064 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.003 min

Lab File: VU063517.D

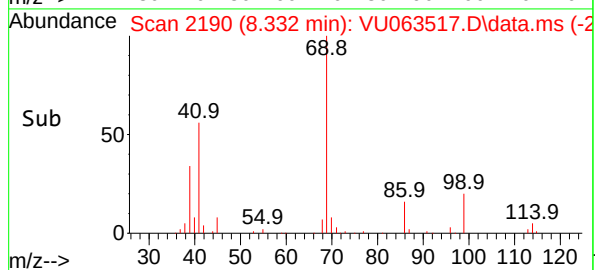
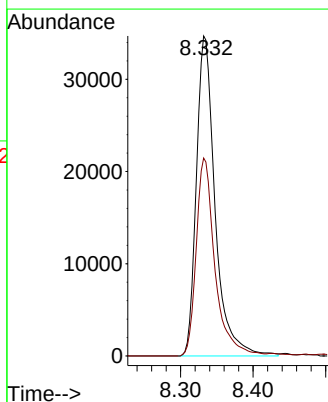
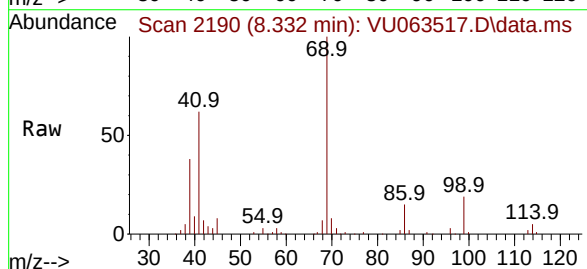
Acq: 16 Jul 2025 14:19

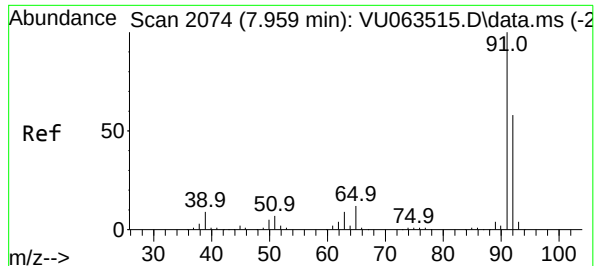
Tgt Ion: 69 Resp: 62257

Ion Ratio Lower Upper

69 100

41 61.9 30.8 92.4





#49

Toluene

Concen: 11.565 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 92 Resp: 167690

Ion Ratio Lower Upper

92 100

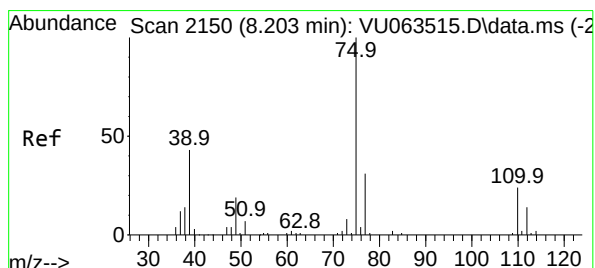
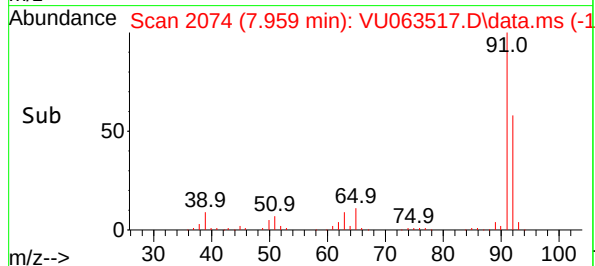
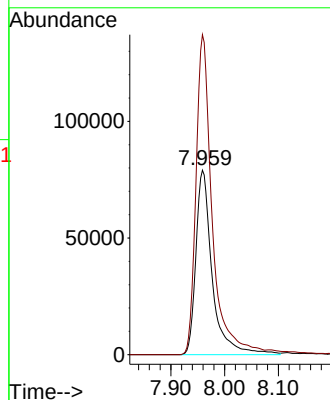
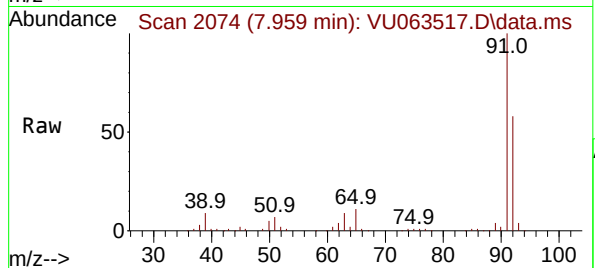
91 171.2 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 12.160 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063517.D

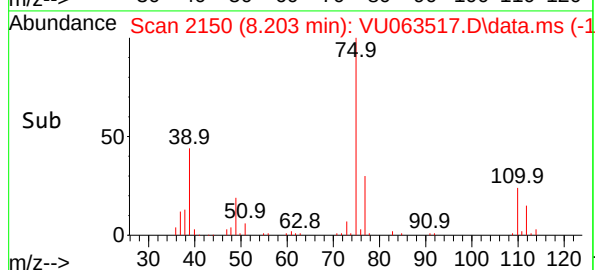
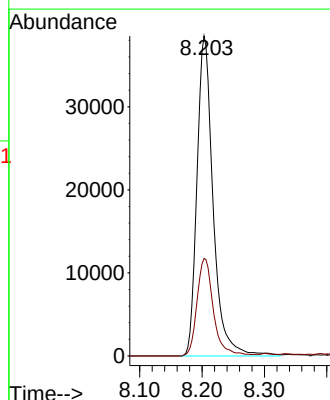
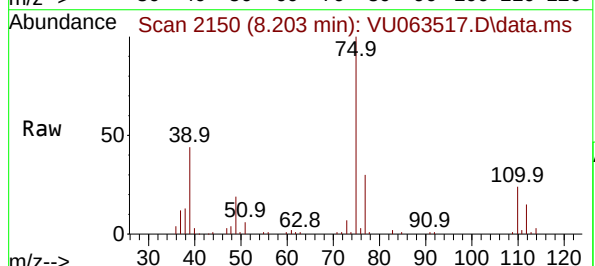
Acq: 16 Jul 2025 14:19

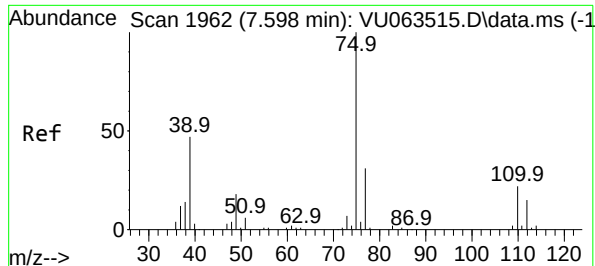
Tgt Ion: 75 Resp: 69274

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 11.406 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

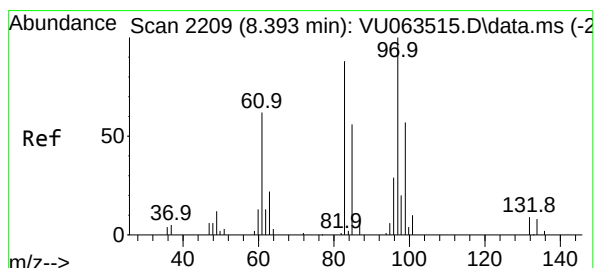
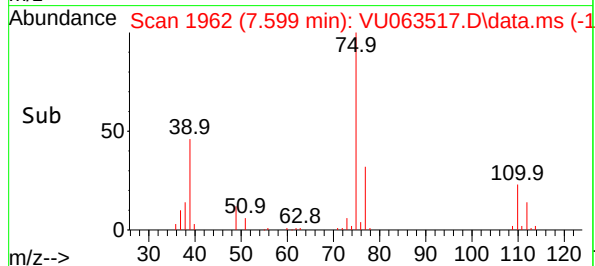
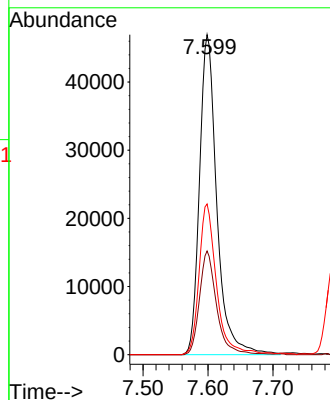
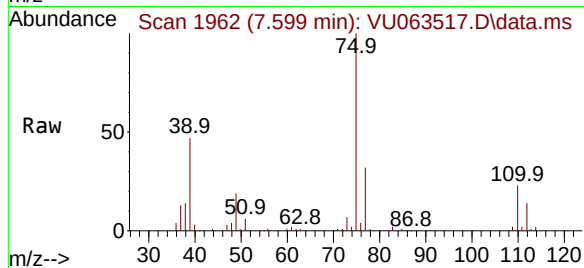
ClientSampleId :

ICVVU071625

Tgt Ion:	75	Resp:	8722
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	47.1	37.8	56.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 10.973 ug/l

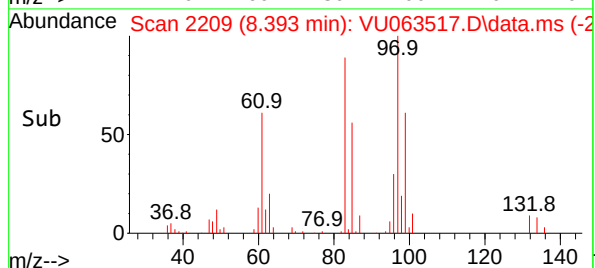
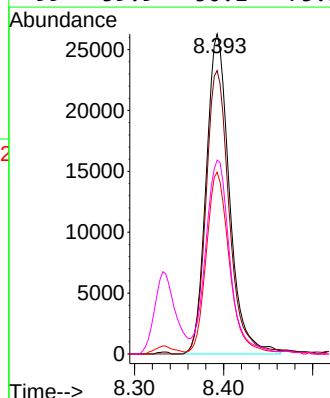
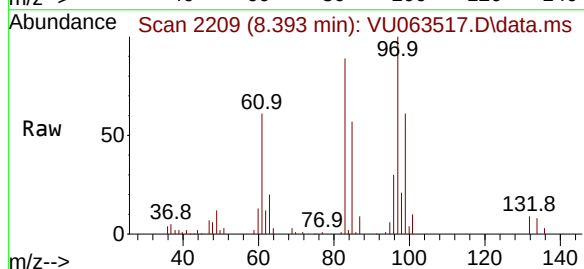
RT: 8.393 min Scan# 2209

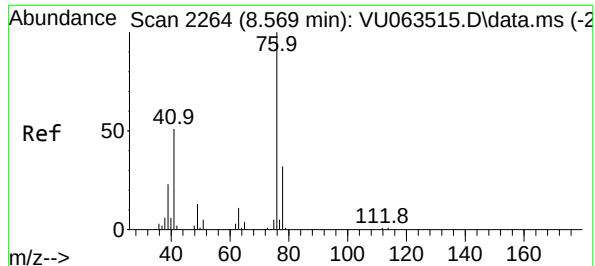
Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion:	97	Resp:	47565
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.2
85	56.0	45.2	67.8
99	59.9	50.1	75.1





#53

1,3-Dichloropropane

Concen: 10.849 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 76 Resp: 81190

Ion Ratio Lower Upper

76 100

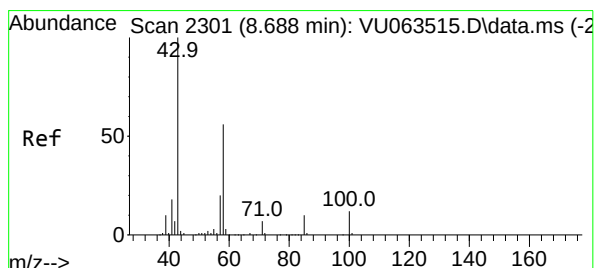
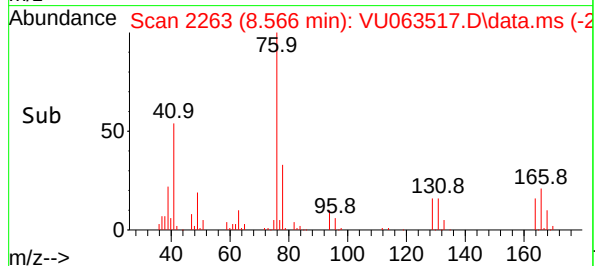
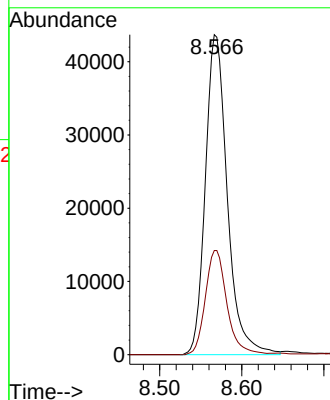
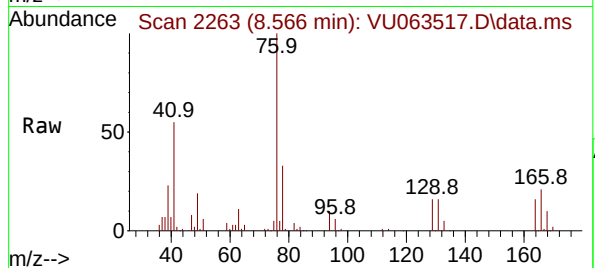
78 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 59.254 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

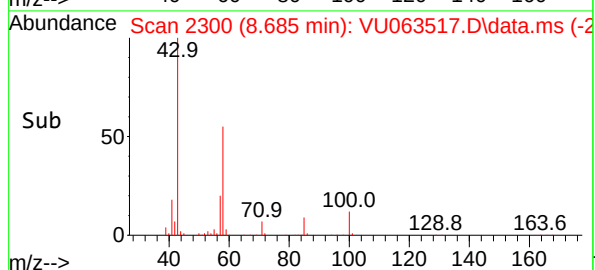
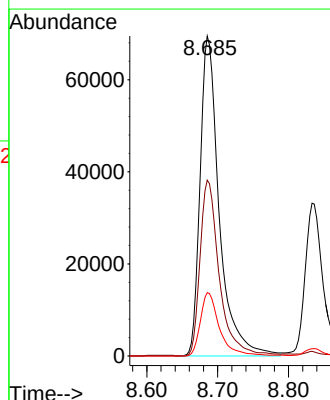
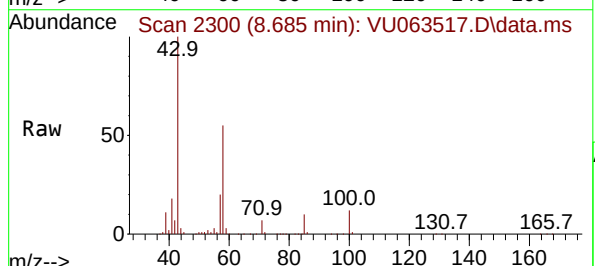
Tgt Ion: 43 Resp: 130609

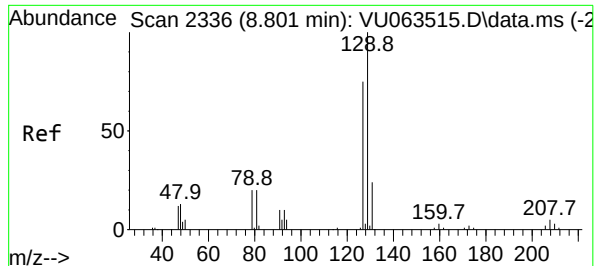
Ion Ratio Lower Upper

43 100

58 55.3 34.8 74.8

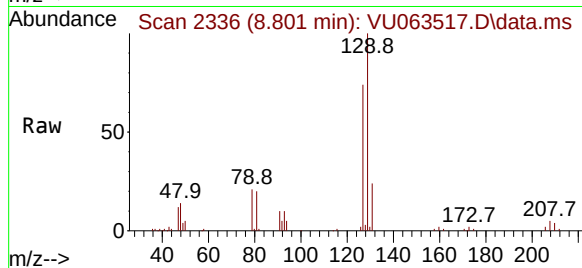
57 19.7 0.0 39.5





#55
Dibromochloromethane
Concen: 12.417 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

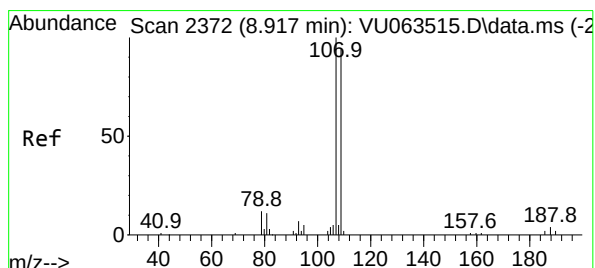
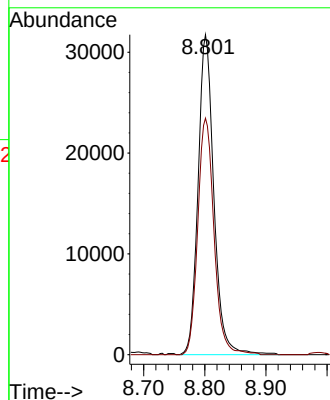
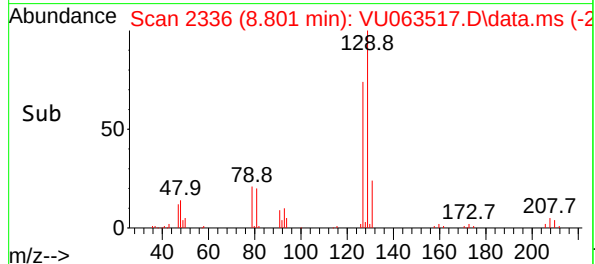
Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625



Tgt Ion:129 Resp: 5688
Ion Ratio Lower Upper
129 100
127 76.2 60.1 90.1

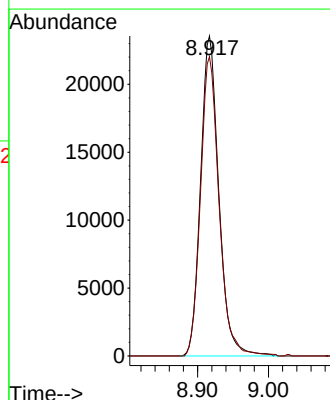
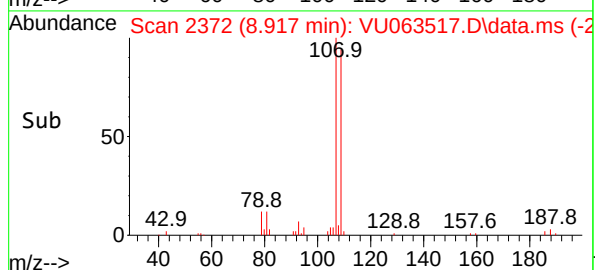
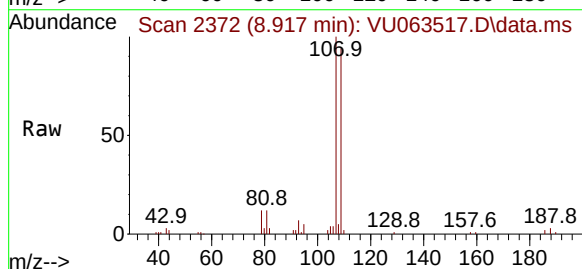
Manual Integrations
APPROVED

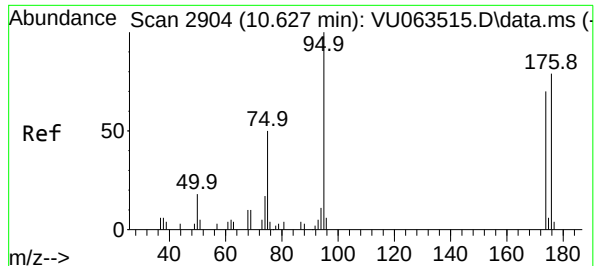
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#56
1,2-Dibromoethane
Concen: 10.846 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

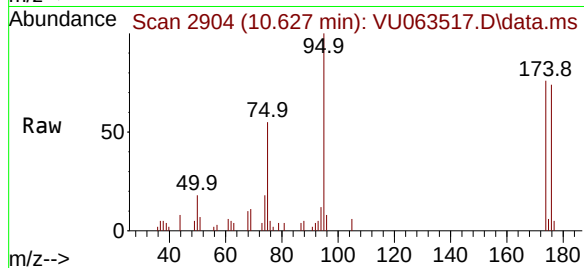
Tgt Ion:107 Resp: 42078
Ion Ratio Lower Upper
107 100
109 95.2 0.0 186.4





#57
4-Bromofluorobenzene
Concen: 1.279 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

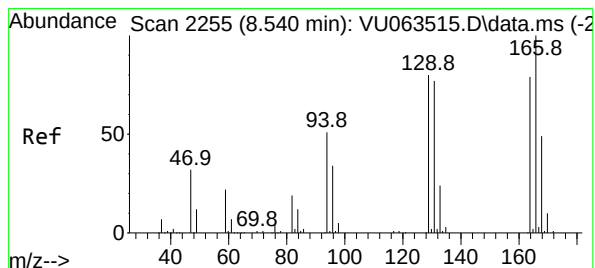
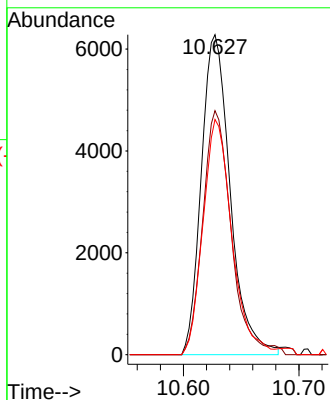
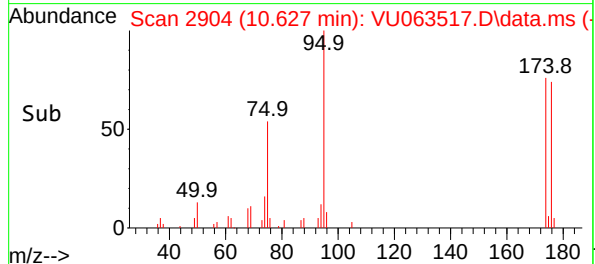
Instrument : MSVOA_U
ClientSampleId : ICVVU071625



Tgt Ion: 95 Resp: 10918
Ion Ratio Lower Upper
95 100
174 75.3 59.8 89.8
176 73.5 61.8 92.8

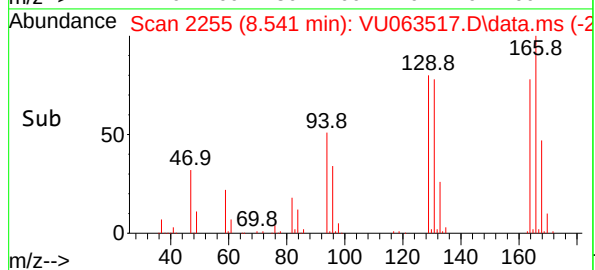
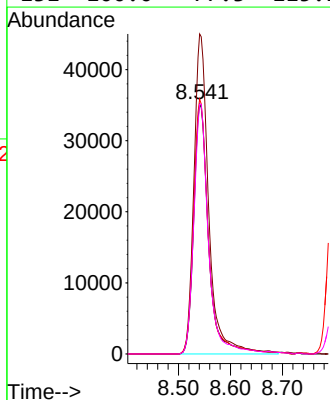
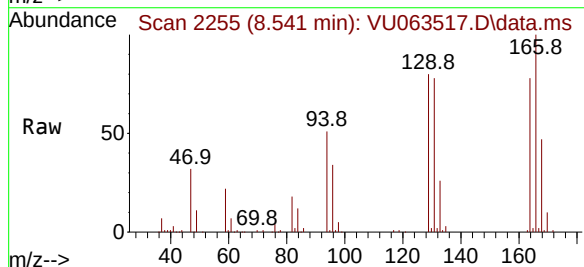
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APPROVED

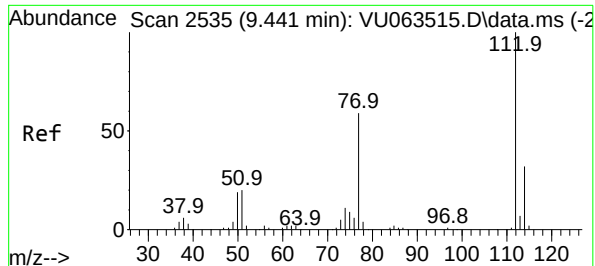
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#58
Tetrachloroethene
Concen: 11.312 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:164 Resp: 70149
Ion Ratio Lower Upper
164 100
166 128.1 100.7 151.1
129 102.0 80.6 120.8
131 100.0 77.3 115.9





#59

Chlorobenzene

Concen: 11.557 ug/l

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:112 Resp: 192479

Ion Ratio Lower Upper

112 100

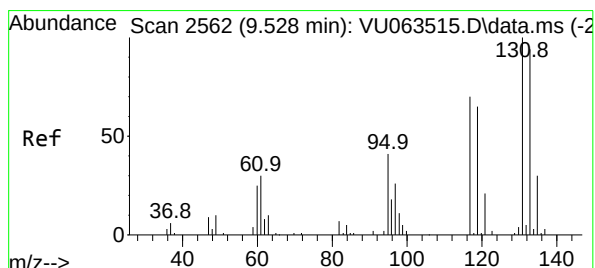
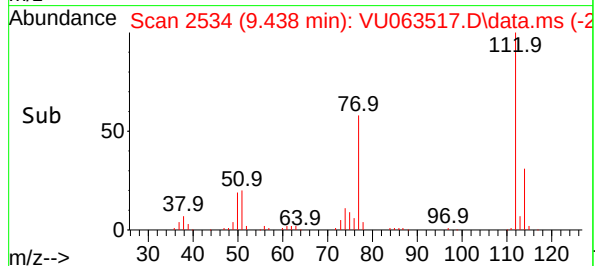
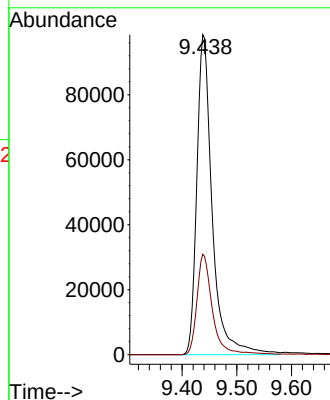
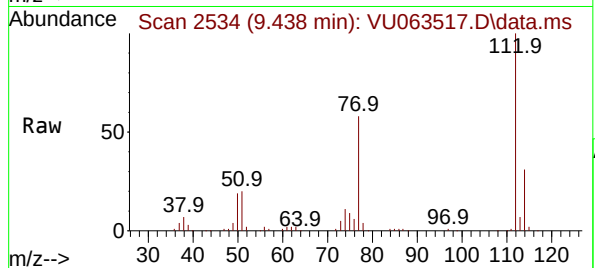
114 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.964 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

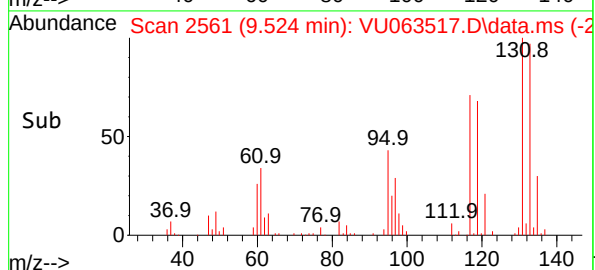
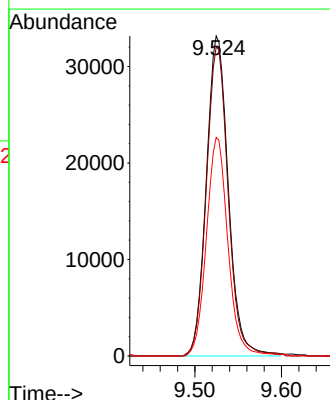
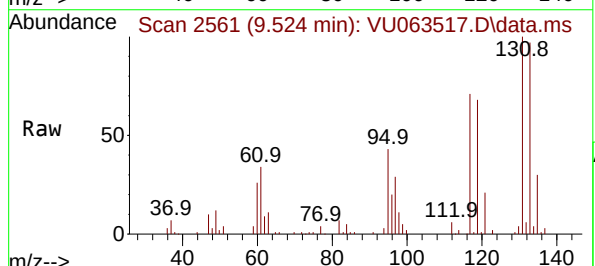
Tgt Ion:131 Resp: 58716

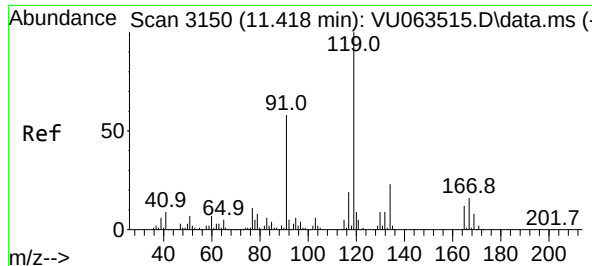
Ion Ratio Lower Upper

131 100

133 95.9 74.7 112.1

119 66.7 53.0 79.4





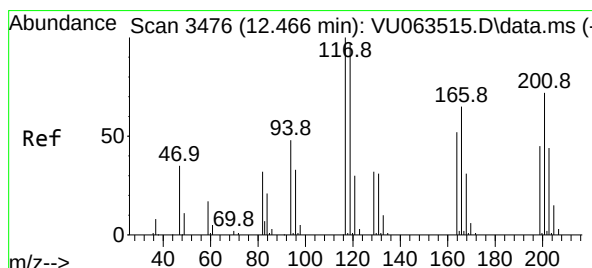
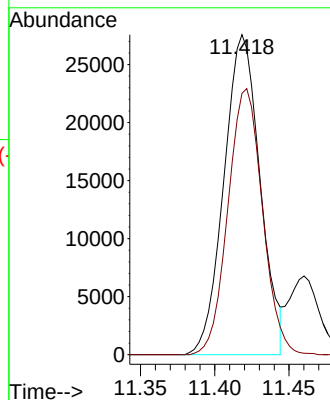
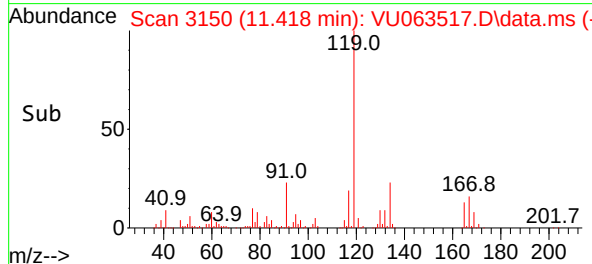
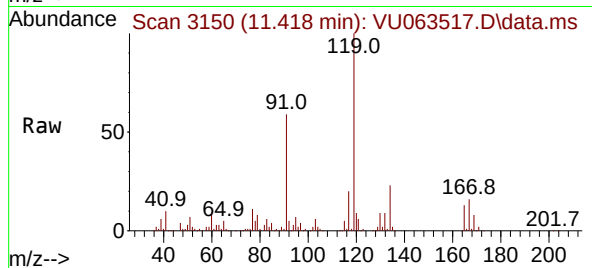
#61
Pentachloroethane
Concen: 12.325 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion:117 Resp: 4664
Ion Ratio Lower Upper
117 100
167 79.4 65.0 97.6

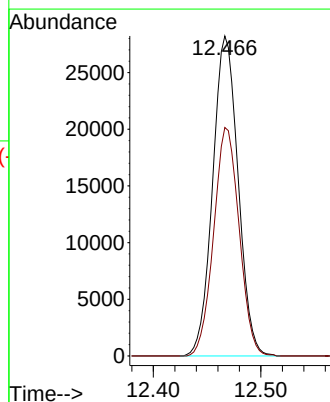
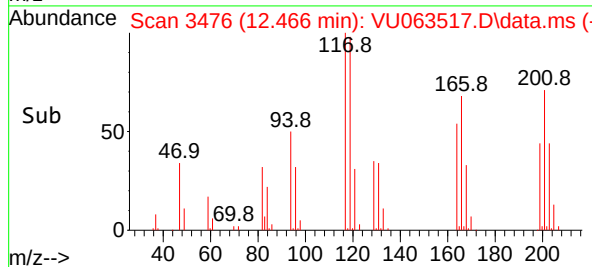
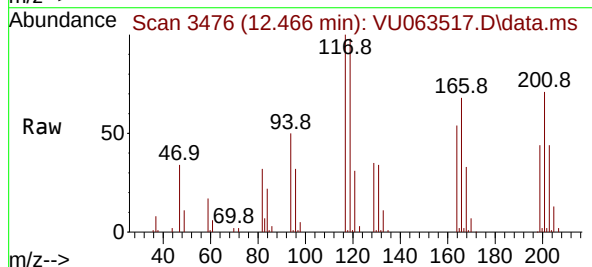
Manual Integrations
APPROVED

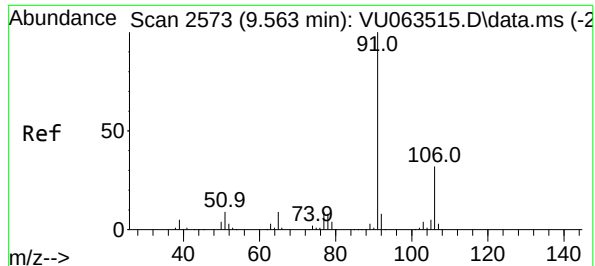
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#62
Hexachloroethane
Concen: 12.375 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:117 Resp: 46374
Ion Ratio Lower Upper
117 100
201 71.5 57.4 86.0





#63

Ethyl Benzene

Concen: 11.440 ug/l

RT: 9.560 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 91 Resp: 327850

Ion Ratio Lower Upper

91 100

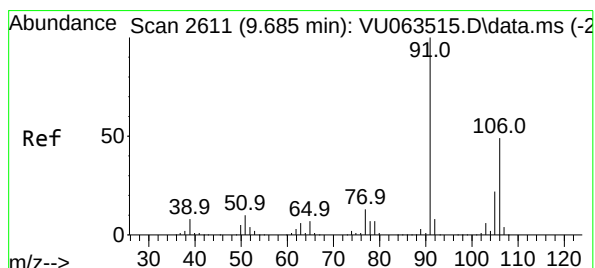
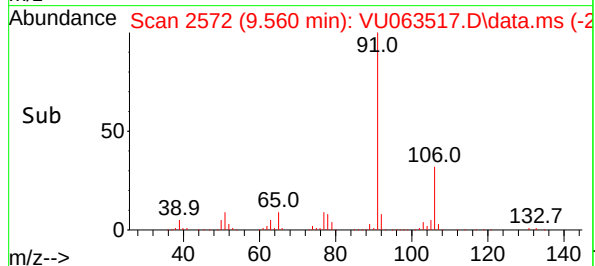
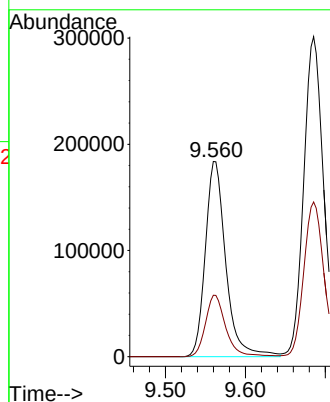
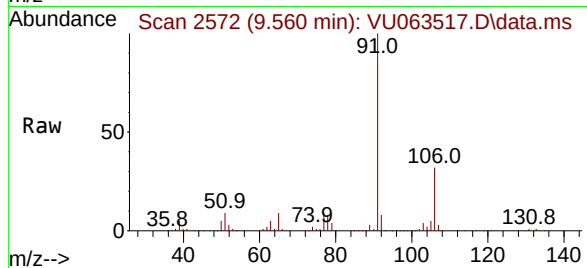
106 31.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 23.477 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063517.D

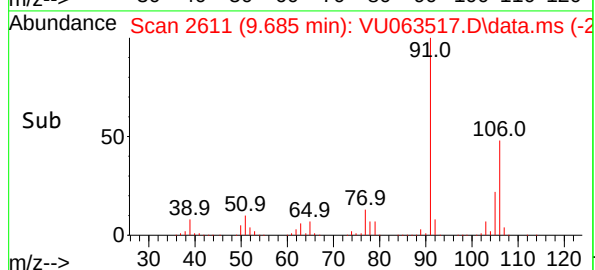
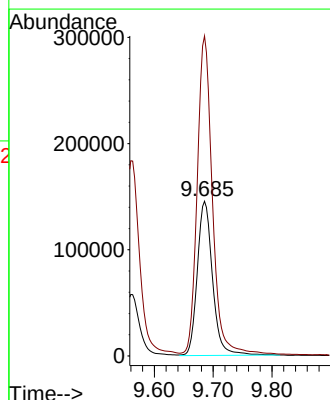
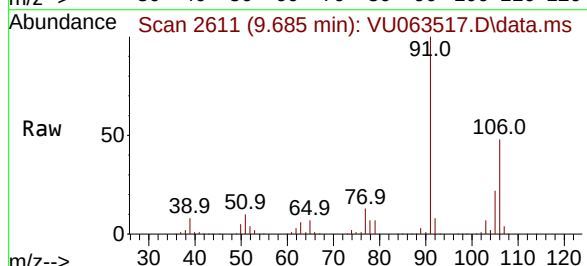
Acq: 16 Jul 2025 14:19

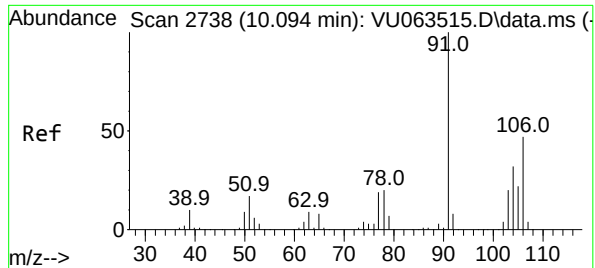
Tgt Ion:106 Resp: 261516

Ion Ratio Lower Upper

106 100

91 208.1 163.6 245.4





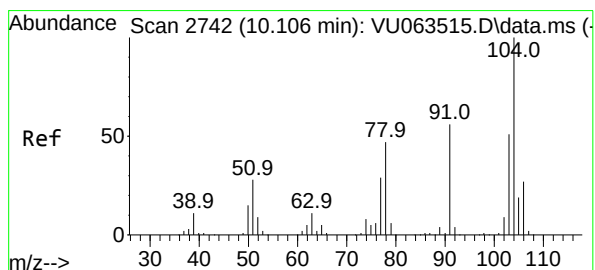
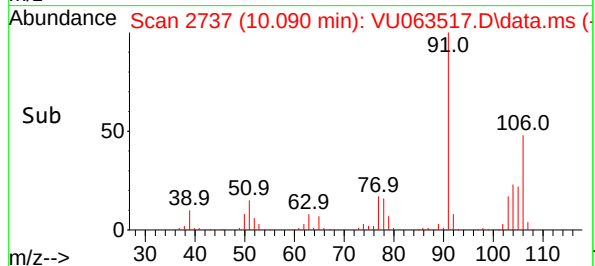
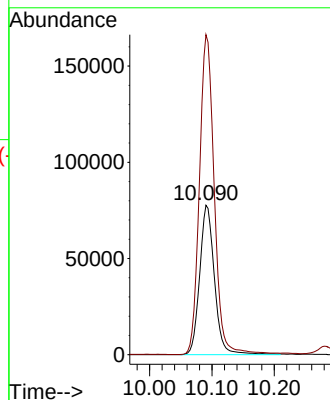
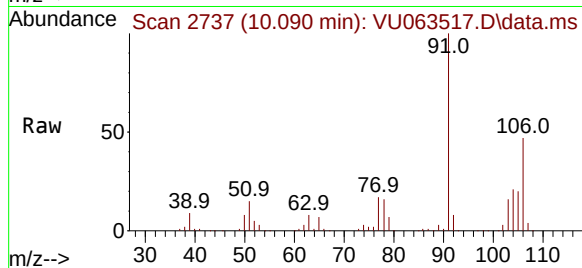
#65
o-Xylene
Concen: 11.980 ug/l
RT: 10.090 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion:106 Resp: 128230
Ion Ratio Lower Upper
106 100
91 214.1 108.1 324.4

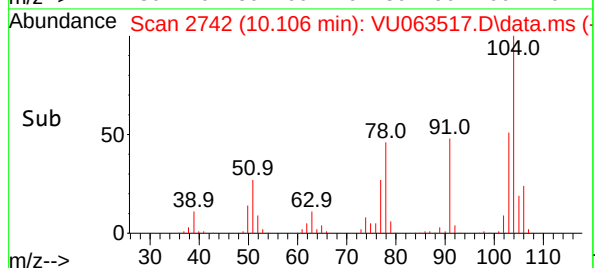
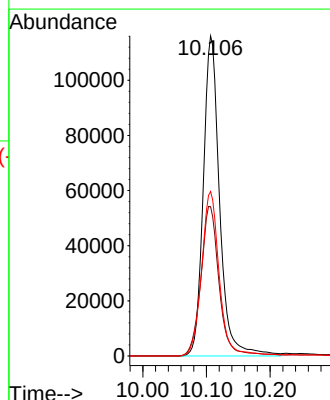
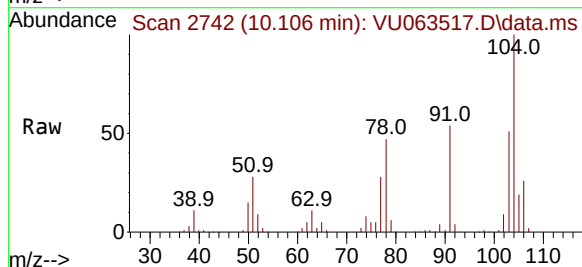
Manual Integrations
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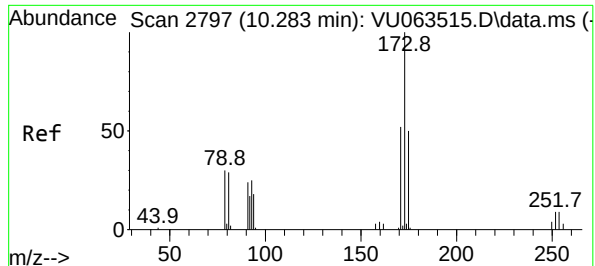
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#66
Styrene
Concen: 12.168 ug/l
RT: 10.106 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

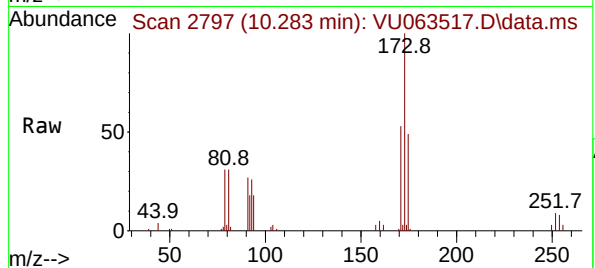
Tgt Ion:104 Resp: 207563
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 55.3 43.6 65.4





#67
Bromoform
Concen: 12.093 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

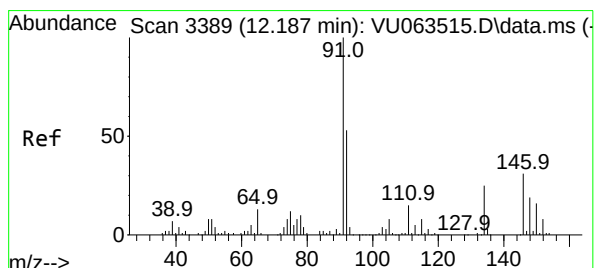
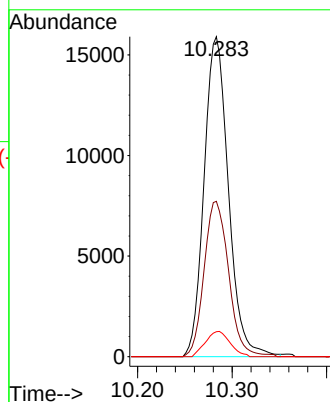
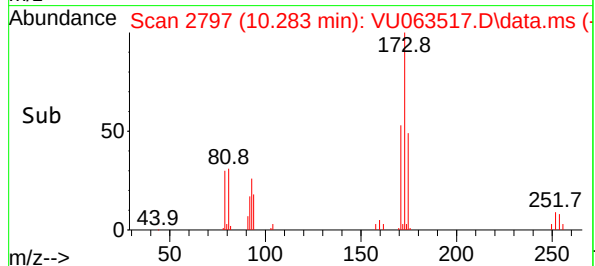
Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625



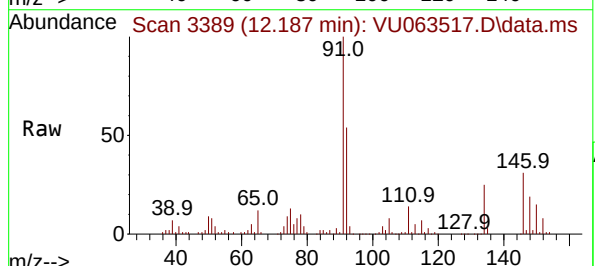
Tgt Ion:173 Resp: 2845
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.4
254 8.0 6.5 9.7

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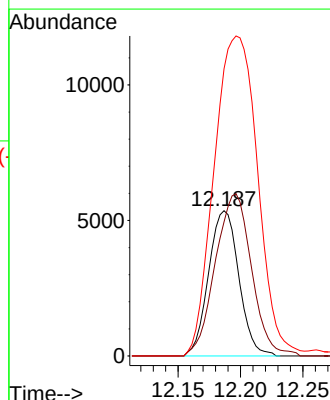
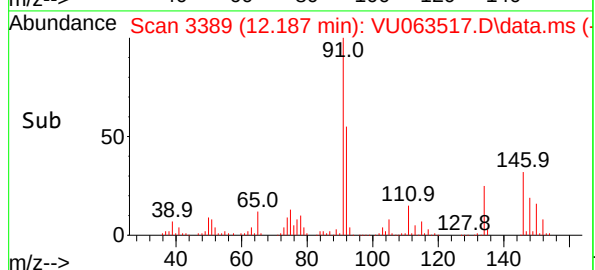
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

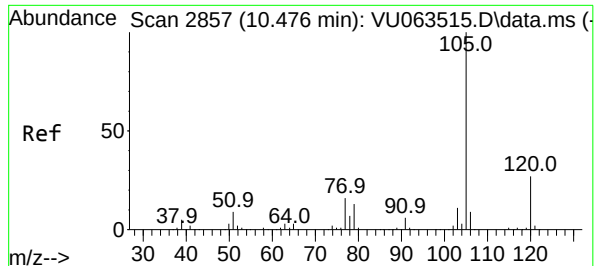


#68
1,2-Dichlorobenzene-d4
Concen: 1.147 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19



Tgt Ion:152 Resp: 9055
Ion Ratio Lower Upper
152 100
115 133.8 0.0 262.2
150 316.7 0.0 651.2





#69

Isopropylbenzene

Concen: 13.006 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 33655

Ion Ratio Lower Upper

105 100

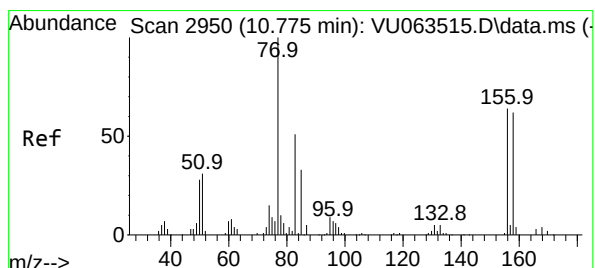
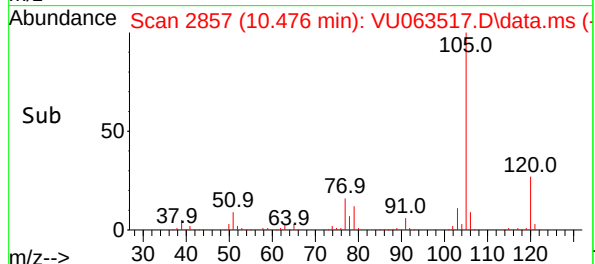
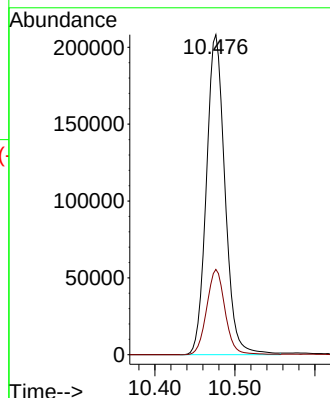
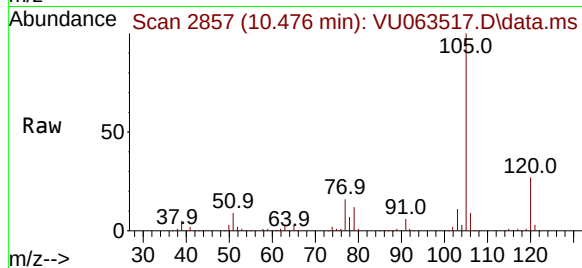
120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 10.762 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

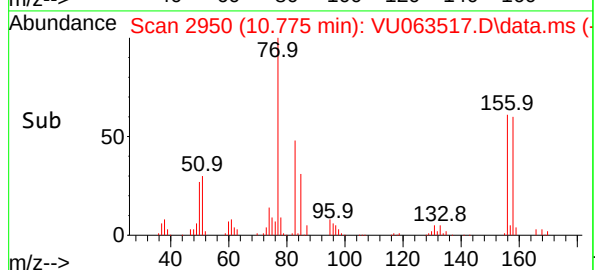
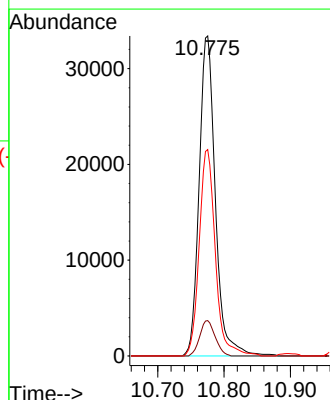
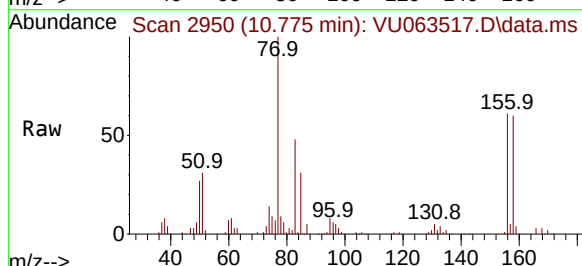
Tgt Ion: 83 Resp: 56769

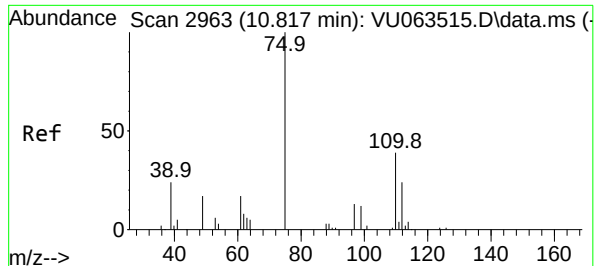
Ion Ratio Lower Upper

83 100

131 10.5 8.4 12.6

85 64.2 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 9.180 ug/l m

RT: 10.814 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion: 75 Resp: 39518

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 41.1 0.0 73.2

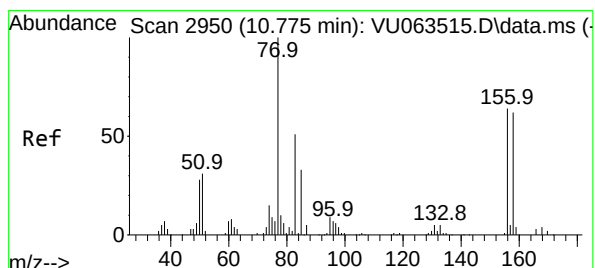
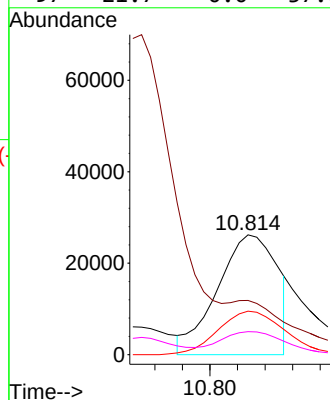
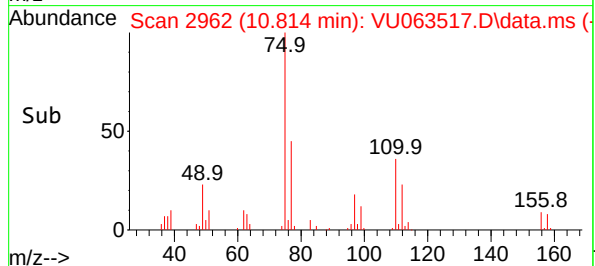
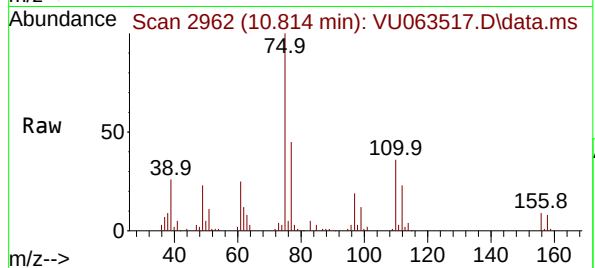
97 21.7 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 11.605 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

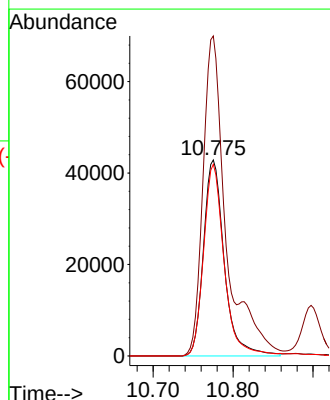
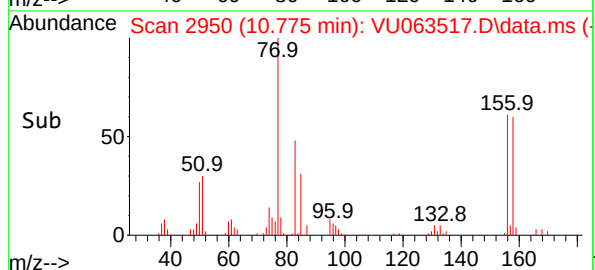
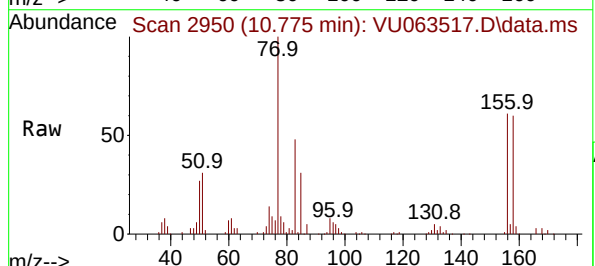
Tgt Ion:156 Resp: 77499

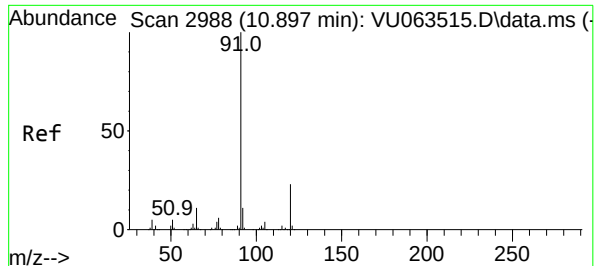
Ion Ratio Lower Upper

156 100

77 156.1 0.0 315.2

158 96.6 0.0 195.4





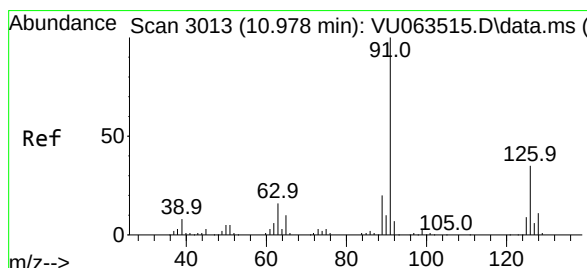
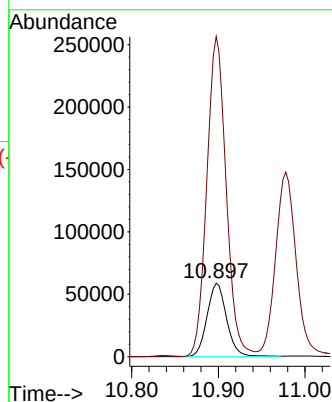
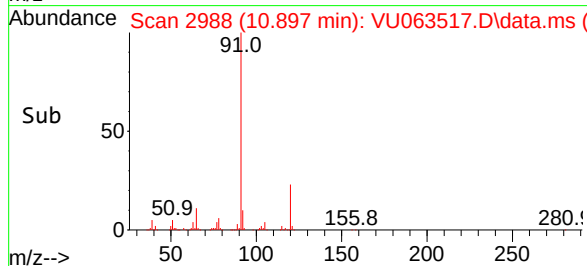
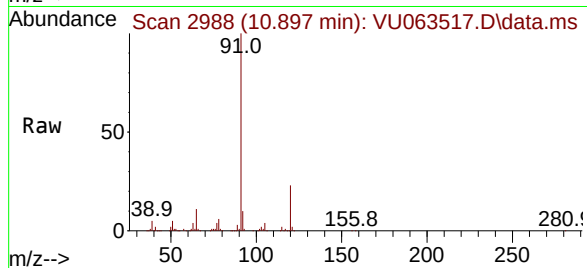
#73
n-propylbenzene
Concen: 11.877 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion:120 Resp: 92519
Ion Ratio Lower Upper
120 100
91 429.6 343.1 514.7

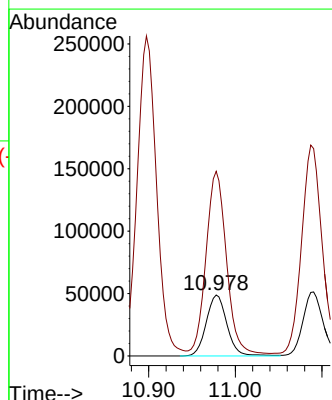
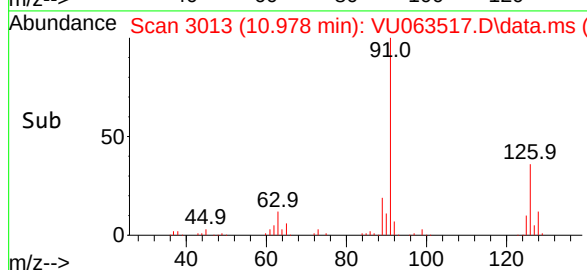
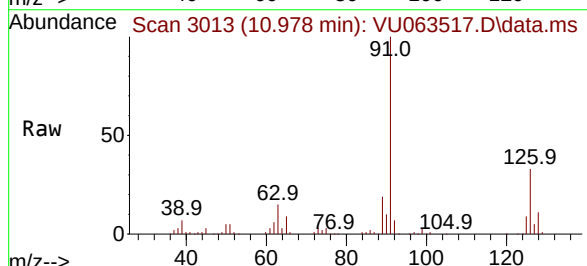
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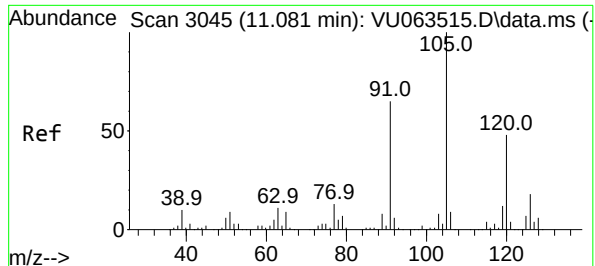
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#74
2-Chlorotoluene
Concen: 11.787 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:126 Resp: 81148
Ion Ratio Lower Upper
126 100
91 298.0 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 11.999 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 296624

Ion Ratio Lower Upper

105 100

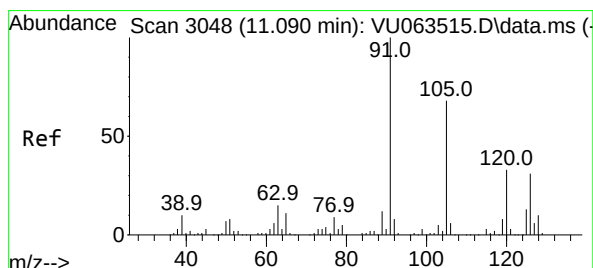
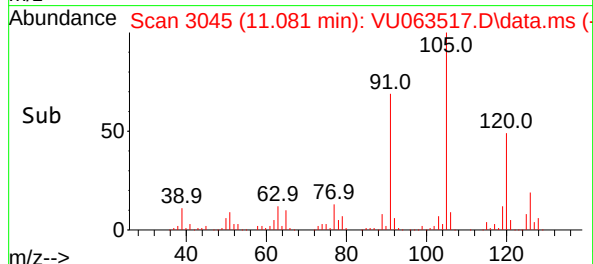
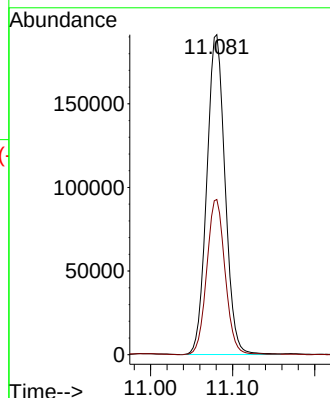
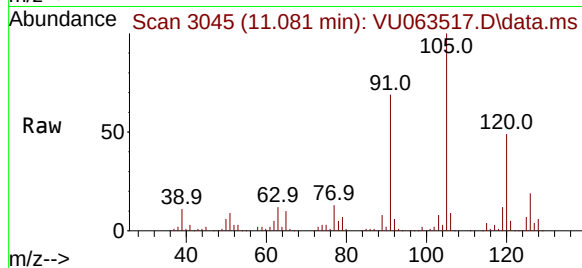
120 48.7 37.8 56.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 11.950 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063517.D

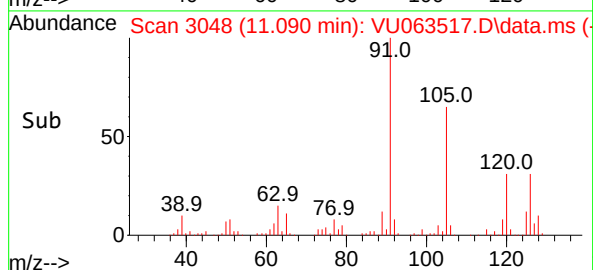
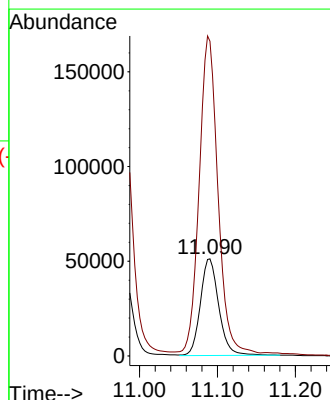
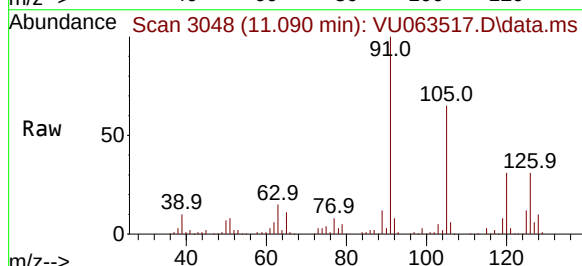
Acq: 16 Jul 2025 14:19

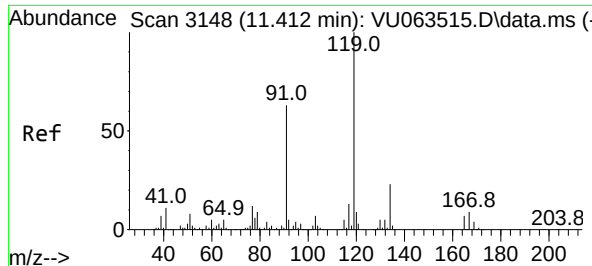
Tgt Ion:126 Resp: 83551

Ion Ratio Lower Upper

126 100

91 332.4 0.0 682.2





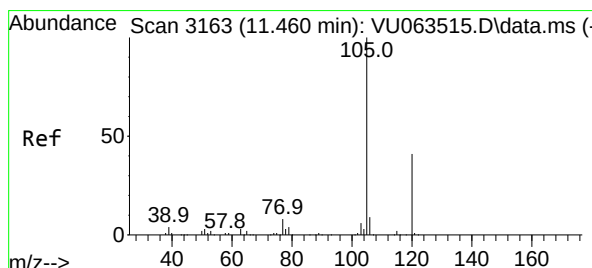
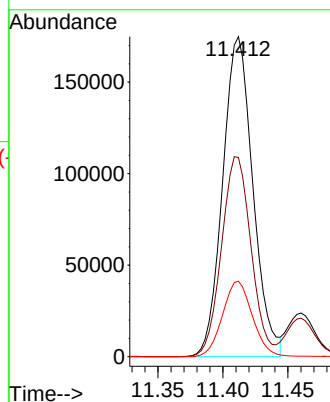
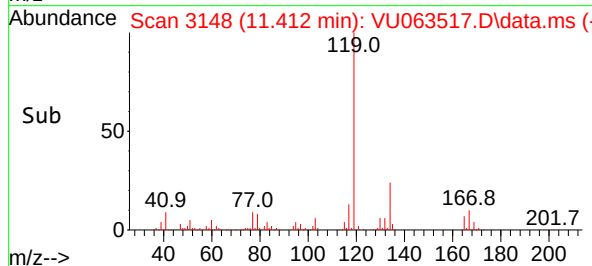
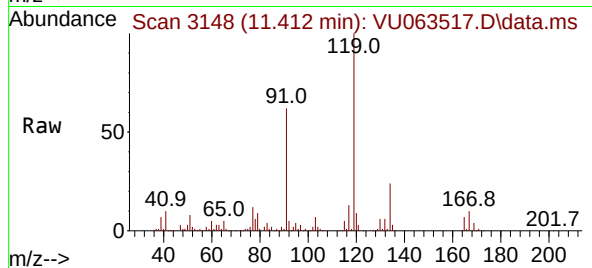
#77
tert-Butylbenzene
Concen: 11.976 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Tgt Ion:119 Resp: 282930
Ion Ratio Lower Upper
119 100
91 61.3 30.7 92.1
134 23.4 18.5 27.7

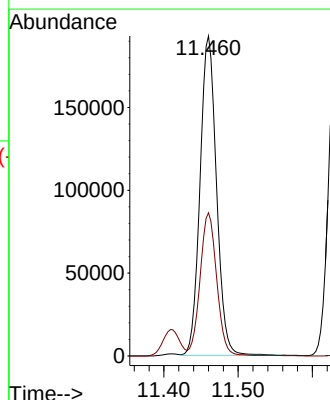
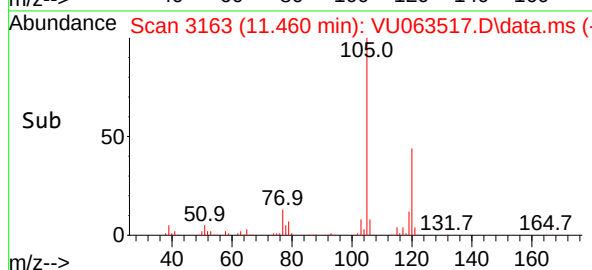
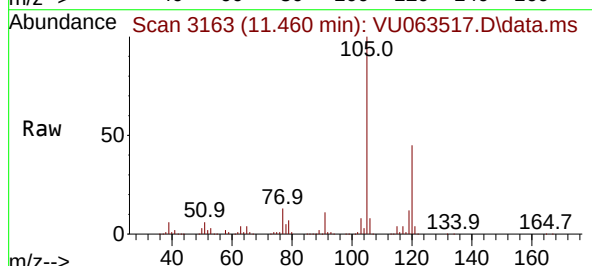
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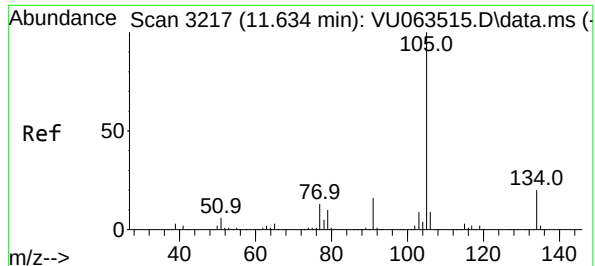
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#78
1,2,4-Trimethylbenzene
Concen: 12.070 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

Tgt Ion:105 Resp: 296010
Ion Ratio Lower Upper
105 100
120 44.9 22.7 68.0





#79

sec-Butylbenzene

Concen: 11.975 ug/l

RT: 11.634 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 381524

Ion Ratio Lower Upper

105 100

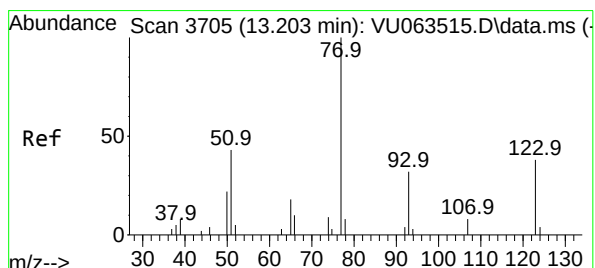
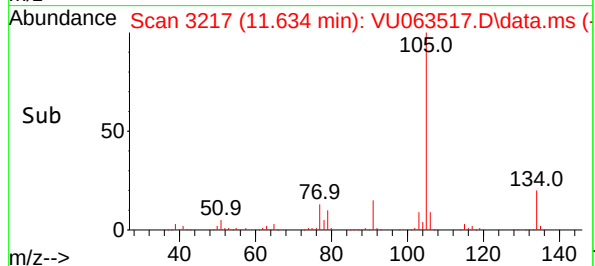
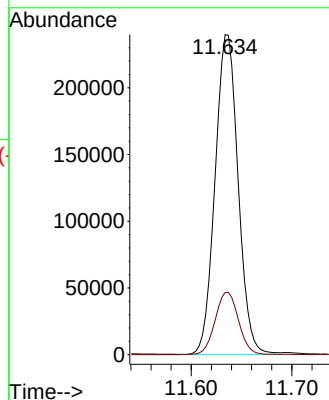
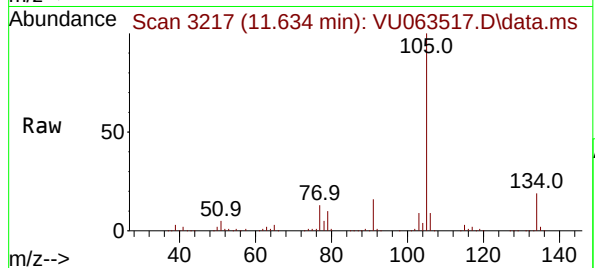
134 19.9 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 13.031 ug/l m

RT: 13.216 min Scan# 3709

Delta R.T. 0.013 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

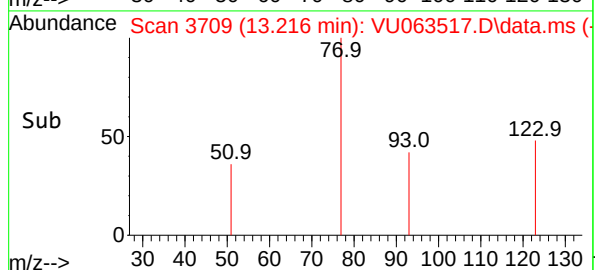
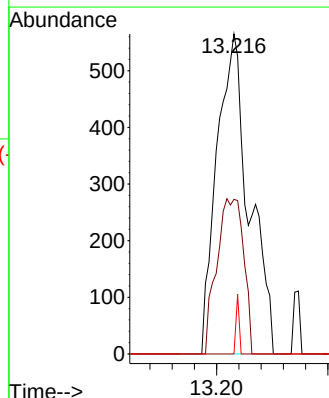
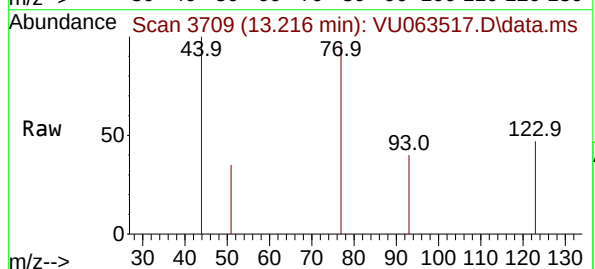
Tgt Ion: 77 Resp: 1132

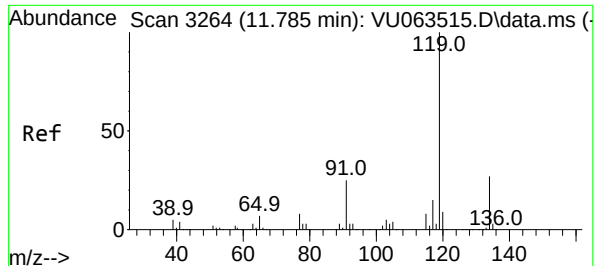
Ion Ratio Lower Upper

77 100

123 40.5 16.9 59.7

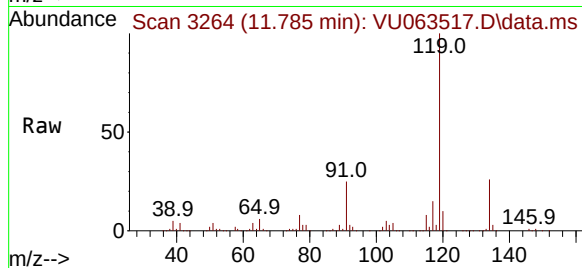
65 0.0 16.5 20.9#





#81
p-Isopropyltoluene
Concen: 12.280 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19

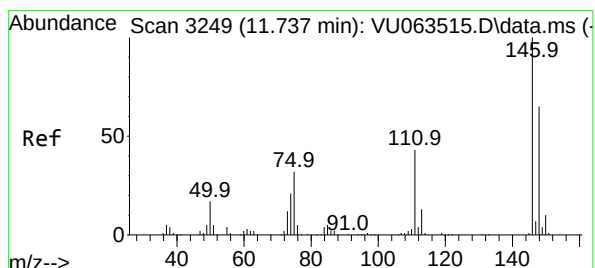
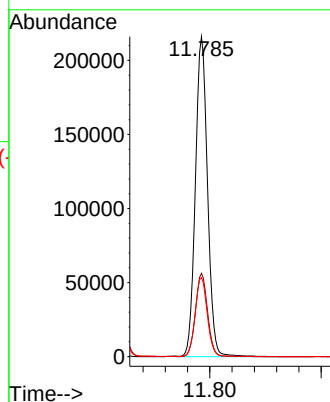
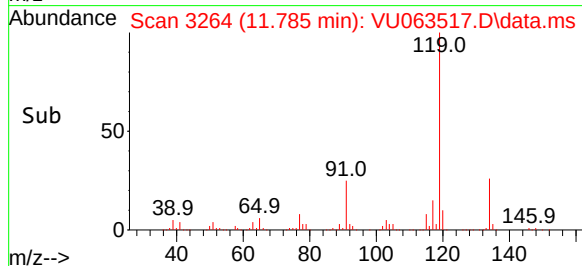
Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625



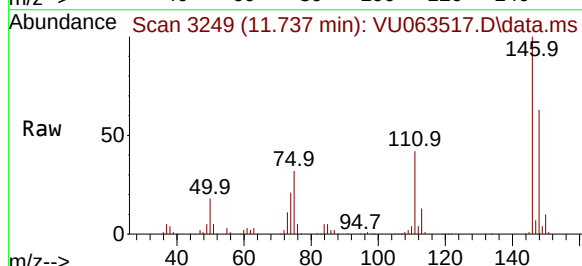
Tgt Ion:119 Resp: 32658
Ion Ratio Lower Upper
119 100
134 26.0 21.1 31.7
91 24.6 19.8 29.8

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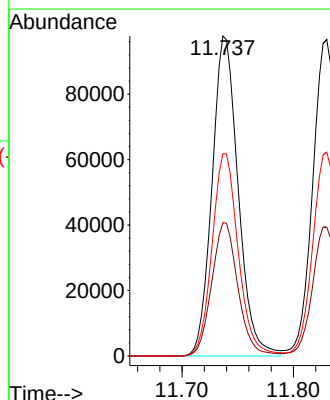
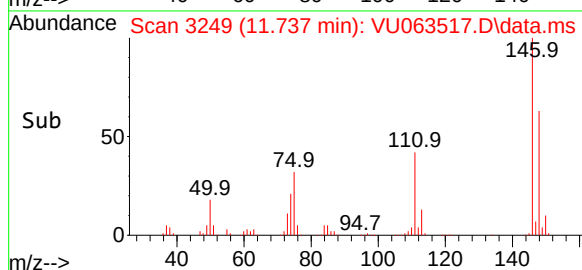
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

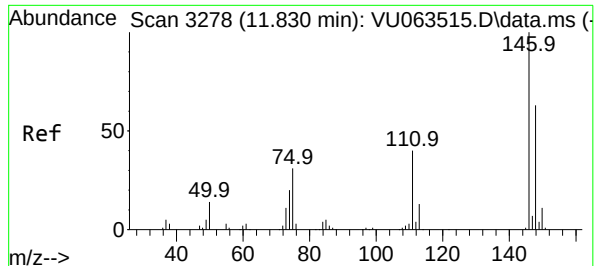


#82
1,3-Dichlorobenzene
Concen: 11.911 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063517.D
Acq: 16 Jul 2025 14:19



Tgt Ion:146 Resp: 159160
Ion Ratio Lower Upper
146 100
111 41.8 33.8 50.6
148 63.6 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 11.662 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:146 Resp: 15598

Ion Ratio Lower Upper

146 100

111 41.3 32.0 48.0

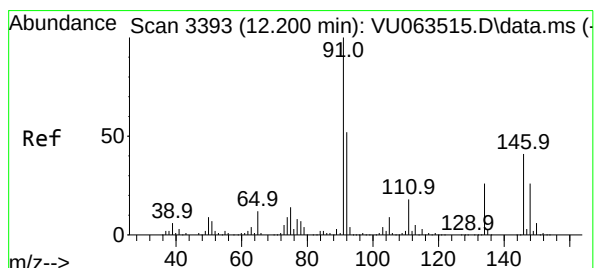
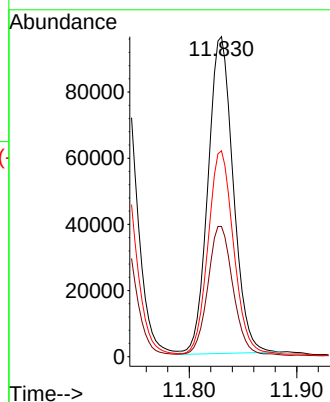
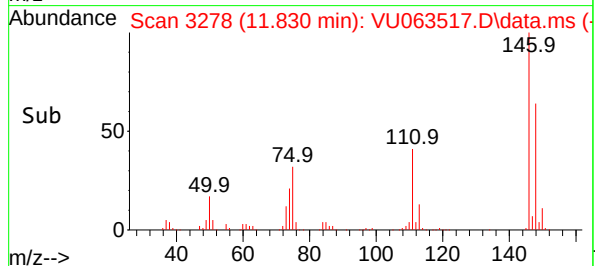
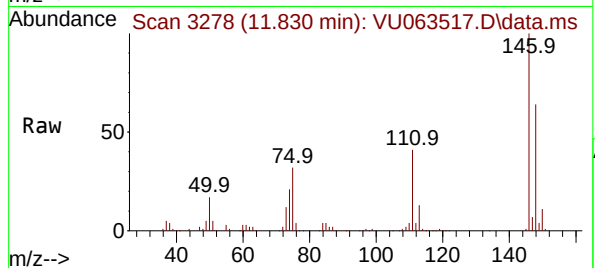
148 65.5 50.2 75.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 12.202 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

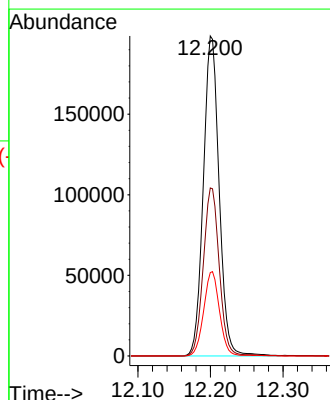
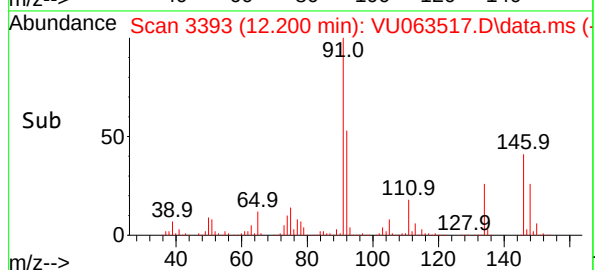
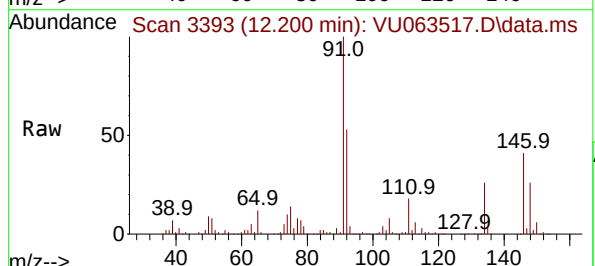
Tgt Ion: 91 Resp: 300975

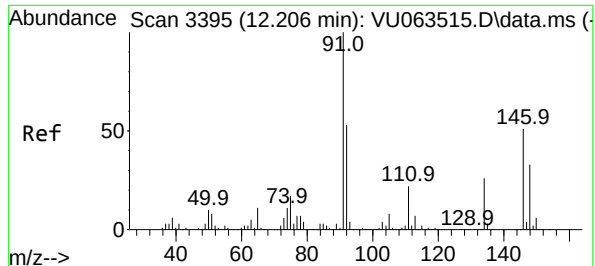
Ion Ratio Lower Upper

91 100

92 53.2 41.5 62.3

134 26.3 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 11.990 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071625

Tgt Ion:146 Resp: 150510

Ion Ratio Lower Upper

146 100

111 42.3 21.7 65.1

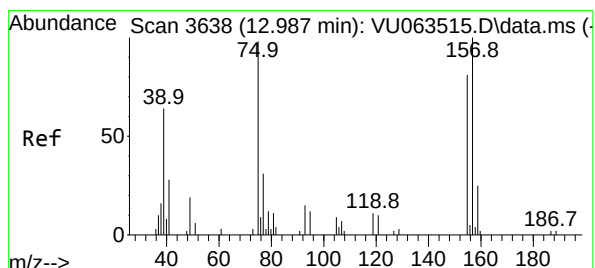
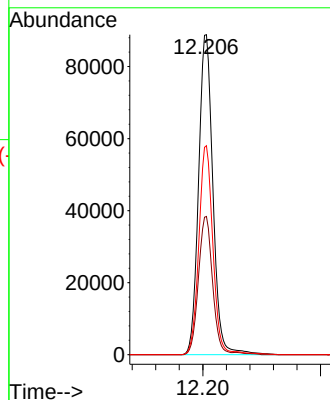
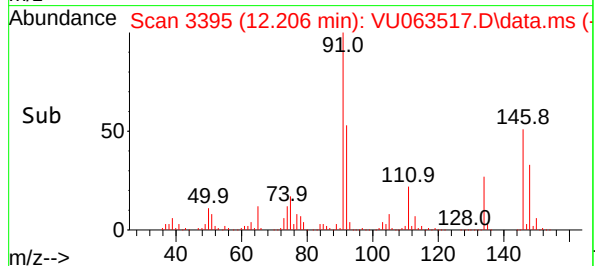
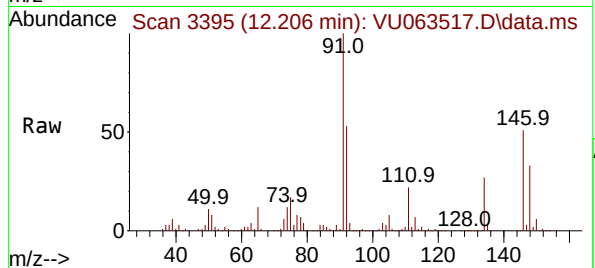
148 64.3 31.8 95.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.124 ug/l

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

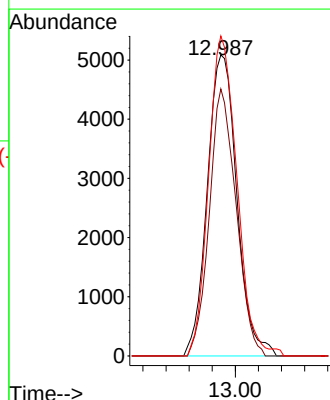
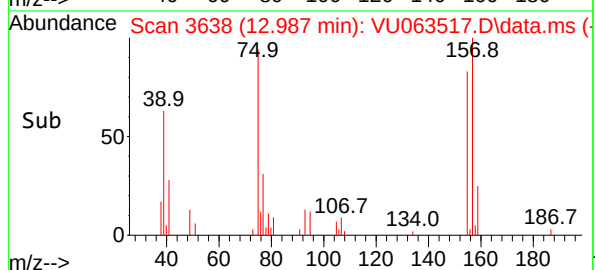
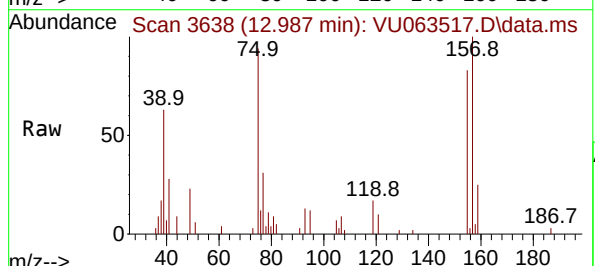
Tgt Ion: 75 Resp: 9053

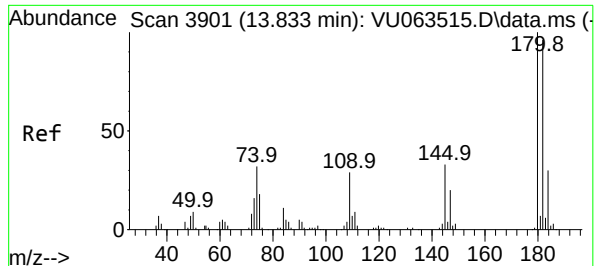
Ion Ratio Lower Upper

75 100

155 80.4 65.8 98.6

157 101.9 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 12.623 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

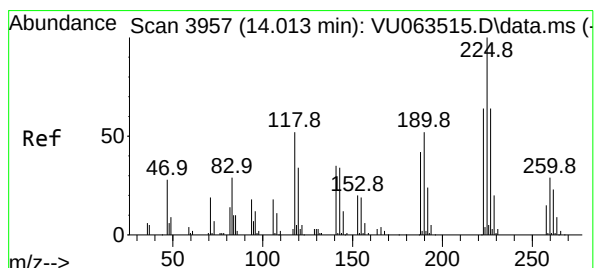
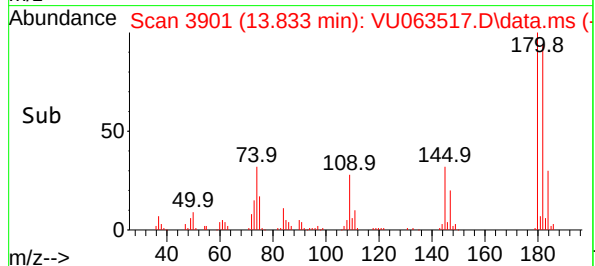
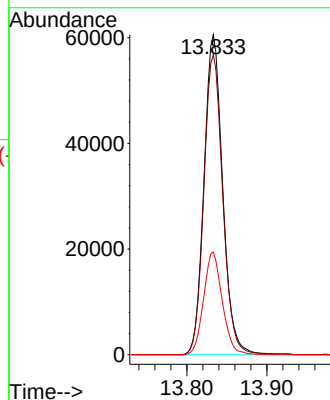
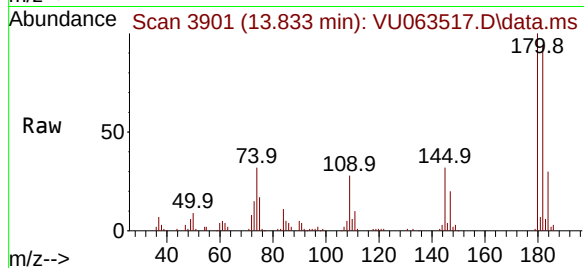
ICVVU071625

Tgt Ion:180	Resp:	9854
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.2 114.4
145	32.0	26.2 39.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 11.575 ug/l

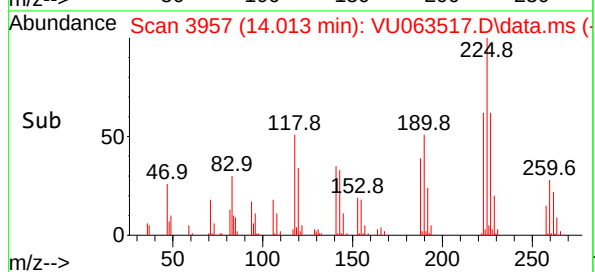
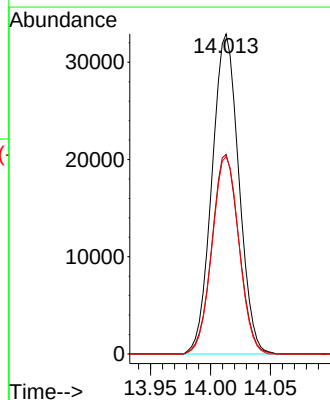
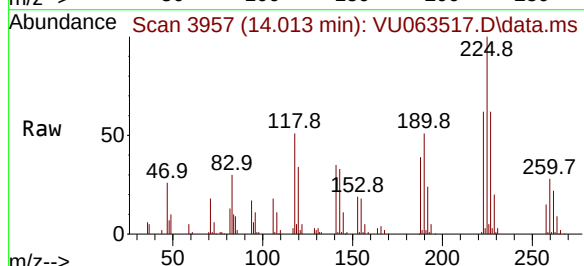
RT: 14.013 min Scan# 3957

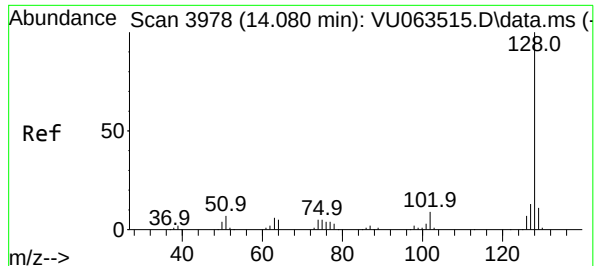
Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion:225	Resp:	51315
Ion Ratio	Lower	Upper
225	100	
223	62.8	50.8 76.2
227	61.5	51.0 76.6





#89

Naphthalene

Concen: 11.841 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. 0.001 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA_U

ClientSampleId :

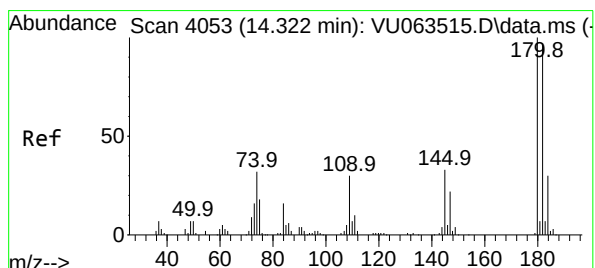
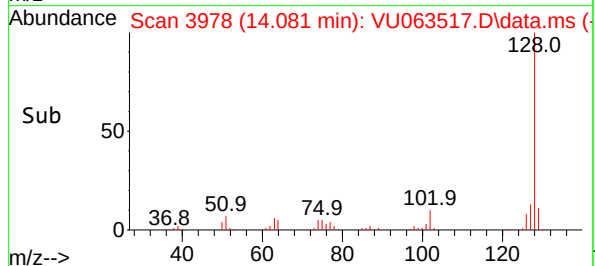
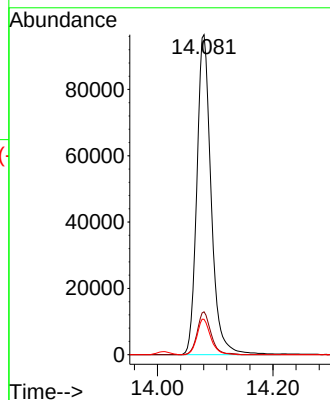
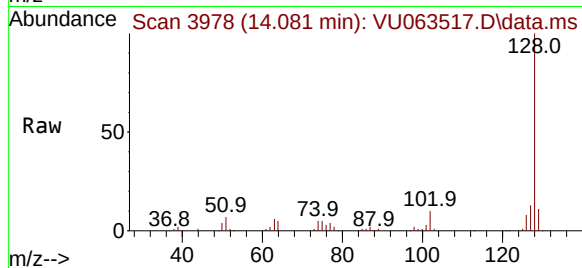
ICVVU071625

Tgt Ion:	128	Resp:	16564
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.6	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#90

1,2,3-Trichlorobenzene

Concen: 11.788 ug/l

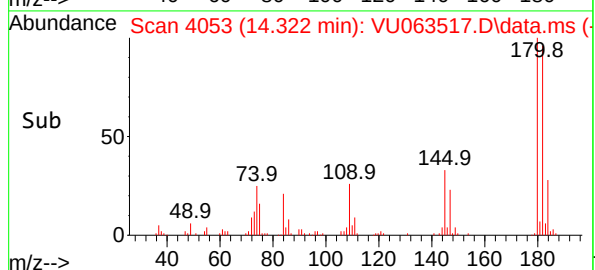
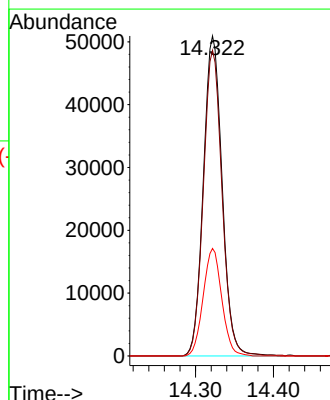
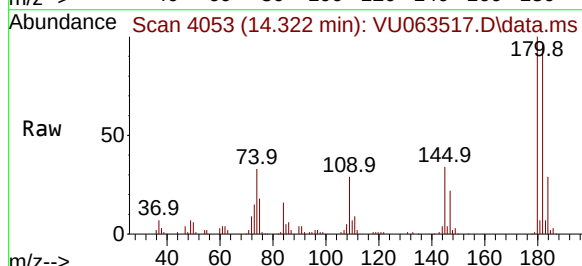
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion:	180	Resp:	85042
Ion Ratio	Lower	Upper	
180	100		
182	95.2	78.0	117.0
145	33.3	27.3	40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071625\
 Data File : U071625.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071625

Quant Time: Jul 17 03:27:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	88	0.00
2 T	Dichlorodifluoromethane	0.295	0.211	28.5	63	0.00
3 t	Chloromethane	0.274	0.265	3.3	87	0.00
4 Rt	Vinyl Chloride	0.349	0.333	4.6	83	0.00
5 T	Bromomethane	0.263	0.253	3.8	92	0.00
6 T	Chloroethane	0.211	0.216	-2.4	89	0.00
7 T	Trichlorofluoromethane	0.501	0.519	-3.6	90	0.00
8	1,1,2-Trichloro-1,2,2-trifl	0.262	0.300	-14.5	100	0.00
9 Rt	1,1-Dichloroethene	0.260	0.303	-16.5	101	0.00
10 t	Iodomethane	0.314	0.349	-11.1	83	0.00
11 t	Allyl Chloride	0.375	0.465	-24.0	108	0.00
12 t	Acrylonitrile	0.065	0.174	-167.7#	243#	0.00
13 T	Acetone	0.052	0.068	-30.8#	121	0.00
14 T	Carbon Disulfide	0.839	0.875	-4.3	90	0.00
15 RT	Methylene Chloride	0.306	0.340	-11.1	103	0.00
16 RT	trans-1,2-Dichloroethene	0.295	0.316	-7.1	93	0.00
17 t	1,1-Dichloroethane	0.546	0.622	-13.9	100	0.00
18 T	2-Butanone	0.081	0.095	-17.3	106	0.00
19	Cyclohexane	0.463	0.533	-15.1	102	0.00
20	Methylcyclohexane	0.450	0.461	-2.4	83	0.00
21 T	2,2-Dichloropropane	0.465	0.524	-12.7	102	0.00
22 RT	cis-1,2-Dichloroethene	0.320	0.376	-17.5	104	0.00
23 t	Diethyl Ether	0.198	0.216	-9.1	92	0.00
24 t	tert-Butyl Alcohol	0.024	0.013	45.8#	48	0.00
25 t	Methyl tert-Butyl Ether	0.678	0.809	-19.3	103	0.00
26 t	Bromochloromethane	0.134	0.143	-6.7	92	0.00
27 t	Chloroform	0.558	0.630	-12.9	102	0.00
28 RT	1,1,1-Trichloroethane	0.473	0.553	-16.9	102	0.00
29 T	1,1-Dichloropropene	0.438	0.465	-6.2	95	0.00
30 RT	Carbon Tetrachloride	0.381	0.453	-18.9	102	0.00
31 t	Isopropyl Ether	0.825	0.965	-17.0	103	0.00
32	Ethyl-t-butyl ether	0.763	0.000	100.0#	0#	-4.50#
33	Tert-Amyl methyl ether	0.663	0.000	100.0#	0#	-5.94#
34 t	Propionitrile	0.025	0.054	-116.0#	208#	0.00
35 RT	Benzene	1.178	1.117	5.2	82	0.00
36 RT	1,2-Dichloroethane	0.366	0.337	7.9	79	0.00
37 RT	Trichloroethene	0.301	0.296	1.7	81	0.00
38 Rt	1,2-Dichloropropane	0.276	0.280	-1.4	78	0.00
39 t	Methacrylonitrile	0.109	0.114	-4.6	99	0.00
40 t	Methyl acrylate	0.159	0.175	-10.1	92	0.00
41 t	Tetrahydrofuran	0.057	0.149	-161.4#	252#	0.00
42 t	1-Chlorobutane	0.583	0.672	-15.3	101	0.00
43 T	Dibromomethane	0.143	0.159	-11.2	92	0.00
44 T	Bromodichloromethane	0.322	0.374	-16.1	101	0.00
45 T	4-Methyl-2-Pentanone	0.147	0.169	-15.0	98	0.00
46 t	t-1,4-Dichloro-2-butene	0.055	0.029	47.3#	40	0.00
47 t	Methyl methacrylate	0.120	0.068	43.3#	47	0.00
48 t	Ethyl methacrylate	0.229	0.276	-20.5	97	0.00
49 Rt	Toluene	0.643	0.744	-15.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071625\
 Data File : U071625.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071625

Quant Time: Jul 17 03:27:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:16:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	0.253	0.307	-21.3	95	0.00
51 T	cis-1,3-Dichloropropene	0.339	0.387	-14.2	94	0.00
52 RT	1,1,2-Trichloroethane	0.192	0.211	-9.9	92	0.00
53 t	1,3-Dichloropropane	0.332	0.360	-8.4	93	0.00
54 t	2-Hexanone	0.098	0.116	-18.4	99	0.00
55 t	Dibromochloromethane	0.203	0.252	-24.1	96	0.00
56 T	1,2-Dibromoethane	0.172	0.187	-8.7	92	0.00
57 S	4-Bromofluorobenzene	0.379	0.484	-27.7	116	0.00
58 RT	Tetrachloroethene	0.275	0.311	-13.1	96	0.00
59 Rt	Chlorobenzene	0.739	0.854	-15.6	98	0.00
60 T	1,1,1,2-Tetrachloroethane	0.238	0.260	-9.2	91	0.00
61 t	Pentachloroethane	0.168	0.207	-23.2	98	0.00
62 t	Hexachloroethane	0.166	0.206	-24.1	95	0.00
63 Rt	Ethyl Benzene	1.271	1.454	-14.4	98	0.00
64 RT	m/p-Xylenes	0.494	0.580	-17.4	99	0.00
65 RT	o-Xylene	0.475	0.569	-19.8	100	0.00
66 RT	Styrene	0.757	0.921	-21.7	99	0.00
67 t	Bromoform	0.104	0.126	-21.2	94	0.00
68 S	1,2-Dichlorobenzene-d4	0.350	0.402	-14.9	99	0.00
69 T	Isopropylbenzene	1.148	1.493	-30.1#	107	0.00
70 T	1,1,2,2-Tetrachloroethane	0.234	0.252	-7.7	92	0.00
71 T	1,2,3-Trichloropropane	0.190	0.175	7.9	74	0.00
72 t	Bromobenzene	0.296	0.344	-16.2	98	0.00
73 t	n-propylbenzene	0.346	0.410	-18.5	97	0.00
74 t	2-Chlorotoluene	0.305	0.360	-18.0	99	0.00
75 t	1,3,5-Trimethylbenzene	1.097	1.316	-20.0	98	0.00
76 t	4-Chlorotoluene	0.310	0.371	-19.7	99	0.00
77 t	tert-Butylbenzene	1.048	1.255	-19.8	99	0.00
78 t	1,2,4-Trimethylbenzene	1.088	1.313	-20.7	99	0.00
79 t	sec-Butylbenzene	1.413	1.692	-19.7	99	0.00
80	Nitrobenzene	0.004	0.001	75.0#	17#	0.01
81 t	p-Isopropyltoluene	1.180	1.449	-22.8	100	0.00
82 t	1,3-Dichlorobenzene	0.593	0.706	-19.1	99	0.00
83 Rt	1,4-Dichlorobenzene	0.593	0.692	-16.7	96	0.00
84 t	n-Butylbenzene	1.094	1.335	-22.0	97	0.00
85 Rt	1,2-Dichlorobenzene	0.557	0.668	-19.9	99	0.00
86 t	1,2-Dibromo-3-Chloropropane	0.033	0.040	-21.2	89	0.00
87 Rt	1,2,4-Trichlorobenzene	0.346	0.437	-26.3	100	0.00
88 t	Hexachlorobutadiene	0.197	0.228	-15.7	95	0.00
89 t	Naphthalene	0.621	0.735	-18.4	96	0.00
90 t	1,2,3-Trichlorobenzene	0.320	0.377	-17.8	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071625\
Data File : U071625.D
Acq On : 16 Jul 2025 14:19
Operator : MD/SY
Sample : VSTDICV010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Quant Time: Jul 17 03:27:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:16:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	88	0.00
2 T	Dichlorodifluoromethane	10.000	7.149	28.5	63	0.00
3 t	Chloromethane	10.000	9.652	3.5	87	0.00
4 Rt	Vinyl Chloride	10.000	9.533	4.7	83	0.00
5 T	Bromomethane	10.000	9.626	3.7	92	0.00
6 T	Chloroethane	10.000	10.243	-2.4	89	0.00
7 T	Trichlorofluoromethane	10.000	10.364	-3.6	90	0.00
8	1,1,2-Trichloro-1,2,2-trifl	10.000	11.439	-14.4	100	0.00
9 Rt	1,1-Dichloroethene	10.000	11.688	-16.9	101	0.00
10 t	Iodomethane	10.000	9.080	9.2	83	0.00
11 t	Allyl Chloride	10.000	12.385	-23.8	108	0.00
12 t	Acrylonitrile	20.000	53.704	-168.5#	243	0.00
13 T	Acetone	50.000	65.587	-31.2#	121	0.00
14 T	Carbon Disulfide	10.000	10.434	-4.3	90	0.00
15 RT	Methylene Chloride	10.000	11.133	-11.3	103	0.00
16 RT	trans-1,2-Dichloroethene	10.000	10.705	-7.1	93	0.00
17 t	1,1-Dichloroethane	10.000	11.390	-13.9	100	0.00
18 T	2-Butanone	50.000	59.104	-18.2	106	0.00
19	Cyclohexane	10.000	11.523	-15.2	102	0.00
20	Methylcyclohexane	10.000	10.246	-2.5	83	0.00
21 T	2,2-Dichloropropane	10.000	11.251	-12.5	102	0.00
22 RT	cis-1,2-Dichloroethene	10.000	11.753	-17.5	104	0.00
23 t	Diethyl Ether	10.000	10.895	-8.9	92	0.00
24 t	tert-Butyl Alcohol	100.000	54.858	45.1#	48	0.00
25 t	Methyl tert-Butyl Ether	10.000	11.931	-19.3	103	0.00
26 t	Bromochloromethane	10.000	10.701	-7.0	92	0.00
27 t	Chloroform	10.000	11.295	-13.0	102	0.00
28 RT	1,1,1-Trichloroethane	10.000	11.694	-16.9	102	0.00
29 T	1,1-Dichloropropene	10.000	10.604	-6.0	95	0.00
30 RT	Carbon Tetrachloride	10.000	11.881	-18.8	102	0.00
31 t	Isopropyl Ether	10.000	11.694	-16.9	103	0.00
32	Ethyl-t-butyl ether	10.000	0.000	100.0#	0	-4.50#
33	Tert-Amyl methyl ether	10.000	0.000	100.0#	0	-5.94#
34 t	Propionitrile	50.000	110.315	-120.6#	208	0.00
35 RT	Benzene	10.000	9.485	5.2	82	0.00
36 RT	1,2-Dichloroethane	10.000	9.208	7.9	79	0.00
37 RT	Trichloroethene	10.000	9.864	1.4	81	0.00
38 Rt	1,2-Dichloropropane	10.000	10.152	-1.5	78	0.00
39 t	Methacrylonitrile	10.000	10.571	-5.7	99	0.00
40 t	Methyl acrylate	10.000	10.962	-9.6	92	0.00
41 t	Tetrahydrofuran	20.000	52.040	-160.2#	252	0.00
42 t	1-Chlorobutane	10.000	11.532	-15.3	101	0.00
43 T	Dibromomethane	10.000	11.149	-11.5	92	0.00
44 T	Bromodichloromethane	10.000	11.611	-16.1	101	0.00
45 T	4-Methyl-2-Pentanone	50.000	57.520	-15.0	98	0.00
46 t	t-1,4-Dichloro-2-butene	20.000	10.924	45.4#	40	0.00
47 t	Methyl methacrylate	20.000	11.336	43.3#	47	0.00
48 t	Ethyl methacrylate	10.000	12.064	-20.6	97	0.00
49 Rt	Toluene	10.000	11.565	-15.6	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
Data File : VU063517.D
Acq On : 16 Jul 2025 14:19
Operator : MD/SY
Sample : VSTDICV010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071625

Quant Time: Jul 17 03:27:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:16:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	10.000	12.160	-21.6	95	0.00
51 T	cis-1,3-Dichloropropene	10.000	11.406	-14.1	94	0.00
52 RT	1,1,2-Trichloroethane	10.000	10.973	-9.7	92	0.00
53 t	1,3-Dichloropropane	10.000	10.849	-8.5	93	0.00
54 t	2-Hexanone	50.000	59.254	-18.5	99	0.00
55 t	Dibromochloromethane	10.000	12.417	-24.2	96	0.00
56 T	1,2-Dibromoethane	10.000	10.846	-8.5	92	0.00
57 S	4-Bromofluorobenzene	1.000	1.279	-27.9	116	0.00
58 RT	Tetrachloroethene	10.000	11.312	-13.1	96	0.00
59 Rt	Chlorobenzene	10.000	11.557	-15.6	98	0.00
60 T	1,1,1,2-Tetrachloroethane	10.000	10.964	-9.6	91	0.00
61 t	Pentachloroethane	10.000	12.325	-23.2	98	0.00
62 t	Hexachloroethane	10.000	12.375	-23.8	95	0.00
63 Rt	Ethyl Benzene	10.000	11.440	-14.4	98	0.00
64 RT	m/p-Xylenes	20.000	23.477	-17.4	99	0.00
65 RT	o-Xylene	10.000	11.980	-19.8	100	0.00
66 RT	Styrene	10.000	12.168	-21.7	99	0.00
67 t	Bromoform	10.000	12.093	-20.9	94	0.00
68 S	1,2-Dichlorobenzene-d4	1.000	1.147	-14.7	99	0.00
69 T	Isopropylbenzene	10.000	13.006	-30.1#	107	0.00
70 T	1,1,2,2-Tetrachloroethane	10.000	10.762	-7.6	92	0.00
71 T	1,2,3-Trichloropropane	10.000	9.180	8.2	74	0.00
72 t	Bromobenzene	10.000	11.605	-16.1	98	0.00
73 t	n-propylbenzene	10.000	11.877	-18.8	97	0.00
74 t	2-Chlorotoluene	10.000	11.787	-17.9	99	0.00
75 t	1,3,5-Trimethylbenzene	10.000	11.999	-20.0	98	0.00
76 t	4-Chlorotoluene	10.000	11.950	-19.5	99	0.00
77 t	tert-Butylbenzene	10.000	11.976	-19.8	99	0.00
78 t	1,2,4-Trimethylbenzene	10.000	12.070	-20.7	99	0.00
79 t	sec-Butylbenzene	10.000	11.975	-19.7	99	0.00
80	Nitrobenzene	50.000	13.031	73.9#	17	0.01
81 t	p-Isopropyltoluene	10.000	12.280	-22.8	100	0.00
82 t	1,3-Dichlorobenzene	10.000	11.911	-19.1	99	0.00
83 Rt	1,4-Dichlorobenzene	10.000	11.662	-16.6	96	0.00
84 t	n-Butylbenzene	10.000	12.202	-22.0	97	0.00
85 Rt	1,2-Dichlorobenzene	10.000	11.990	-19.9	99	0.00
86 t	1,2-Dibromo-3-Chloropropane	10.000	10.124	-1.2	89	0.00
87 Rt	1,2,4-Trichlorobenzene	10.000	12.623	-26.2	100	0.00
88 t	Hexachlorobutadiene	10.000	11.575	-15.7	95	0.00
89 t	Naphthalene	10.000	11.841	-18.4	96	0.00
90 t	1,2,3-Trichlorobenzene	10.000	11.788	-17.9	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2552</u>
Instrument ID:	<u>MSVOA_U</u>	Calibration Date/Time:	<u>07/18/2025</u> <u>09:11</u>
Lab File ID:	<u>VU063532.D</u>	Init. Calib. Date(s):	<u>07/16/2025</u> <u>07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:24</u> <u>12:11</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.295	0.285		-3.39	30
Chloromethane	0.274	0.271		-1.1	30
Vinyl Chloride	0.349	0.339		-2.87	30
Bromomethane	0.263	0.257		-2.28	30
Chloroethane	0.211	0.211		0	30
Tetrahydrofuran	0.057	0.054		-5.26	30
Trichlorofluoromethane	0.501	0.508		1.4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.262	0.269		2.67	30
tert-Butyl Alcohol	0.024	0.024		0	30
Diethyl Ether	0.198	0.207		4.55	30
1,1-Dichloroethene	0.260	0.260		0	30
Acrylonitrile	0.065	0.066		1.54	30
Acetone	0.052	0.090		73.08	30
Carbon Disulfide	0.839	0.746		-11.09	30
Methyl tert-Butyl Ether	0.678	0.701		3.39	30
Methyl acrylate	0.160	0.155		-3.13	30
Methylene Chloride	0.306	0.304		-0.65	30
trans-1,2-Dichloroethene	0.295	0.292		-1.02	30
1,1-Dichloroethane	0.546	0.553		1.28	30
Cyclohexane	0.463	0.463		0	30
2-Butanone	0.081	0.108		33.33	30
Carbon Tetrachloride	0.381	0.391		2.63	30
2,2-Dichloropropane	0.465	0.465		0	30
cis-1,2-Dichloroethene	0.320	0.322		0.63	30
Bromochloromethane	0.134	0.137		2.24	30
Chloroform	0.558	0.577		3.4	30
1,1,1-Trichloroethane	0.473	0.486		2.75	30
Methylcyclohexane	0.450	0.407		-9.56	30
1,1-Dichloropropene	0.438	0.442		0.91	30
Propionitrile	0.025	0.024		-4	30
Benzene	1.178	1.246		5.77	30
1,2-Dichloroethane	0.366	0.390		6.56	30
Trichloroethene	0.301	0.269		-10.63	30
1,2-Dichloropropane	0.276	0.267		-3.26	30
1-Chlorobutane	0.583	0.602		3.26	30
Dibromomethane	0.143	0.142		-0.7	30
Bromodichloromethane	0.322	0.316		-1.86	30
4-Methyl-2-Pentanone	0.147	0.154		4.76	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2552</u>
Instrument ID:	<u>MSVOA_U</u>	Calibration Date/Time:	<u>07/18/2025</u> <u>09:11</u>
Lab File ID:	<u>VU063532.D</u>	Init. Calib. Date(s):	<u>07/16/2025</u> <u>07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:24</u> <u>12:11</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.643	0.658		2.33	30
t-1,3-Dichloropropene	0.253	0.260		2.77	30
cis-1,3-Dichloropropene	0.339	0.343		1.18	30
1,1,2-Trichloroethane	0.192	0.199		3.65	30
1,3-Dichloropropane	0.332	0.343		3.31	30
2-Hexanone	0.098	0.120		22.45	30
Dibromochloromethane	0.203	0.211		3.94	30
1,2-Dibromoethane	0.172	0.176		2.33	30
Tetrachloroethene	0.275	0.263		-4.36	30
Chlorobenzene	0.739	0.757		2.44	30
1,1,1,2-Tetrachloroethane	0.238	0.239		0.42	30
Hexachloroethane	0.166	0.176		6.02	30
Ethyl Benzene	1.271	1.307		2.83	30
m/p-Xylenes	0.494	0.516		4.45	30
o-Xylene	0.475	0.505		6.32	30
Styrene	0.757	0.823		8.72	30
Bromoform	0.104	0.103		-0.96	30
Isopropylbenzene	1.148	1.225		6.71	30
1,1,2,2-Tetrachloroethane	0.234	0.249		6.41	30
1,2,3-Trichloropropane	0.190	0.194		2.11	30
Bromobenzene	0.296	0.303		2.37	30
n-propylbenzene	0.346	0.377		8.96	30
2-Chlorotoluene	0.305	0.322		5.57	30
1,3,5-Trimethylbenzene	1.097	1.189		8.39	30
4-Chlorotoluene	0.310	0.337		8.71	30
tert-Butylbenzene	1.048	1.124		7.25	30
1,2,4-Trimethylbenzene	1.088	1.184		8.82	30
sec-Butylbenzene	1.413	1.542		9.13	30
p-Isopropyltoluene	1.180	1.299		10.09	30
1,3-Dichlorobenzene	0.593	0.633		6.74	30
1,4-Dichlorobenzene	0.593	0.639		7.76	30
n-Butylbenzene	1.094	1.250		14.26	30
1,2-Dichlorobenzene	0.557	0.605		8.62	30
1,2-Dibromo-3-Chloropropane	0.033	0.037		12.12	30
1,2,4-Trichlorobenzene	0.346	0.373		7.8	30
Hexachlorobutadiene	0.197	0.204		3.55	30
Naphthalene	0.621	0.682		9.82	30
1,2,3-Trichlorobenzene	0.320	0.344		7.5	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ALLI03
 Lab Code: ACE SDG No.: Q2552
 Instrument ID: MSVOA_U Calibration Date/Time: 07/18/2025 09:11
 Lab File ID: VU063532.D Init. Calib. Date(s): 07/16/2025 07/16/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:24 12:11
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
1,2-Dichlorobenzene-d4	0.350	0.381		8.86	30
4-Bromofluorobenzene	0.379	0.425		12.14	30
Iodomethane	0.314	0.333		6.05	30
Allyl Chloride	0.375	0.378		0.8	30
Methacrylonitrile	0.109	0.102		-6.42	30
Methyl methacrylate	0.120	0.123		2.5	30

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063532.D
 Acq On : 18 Jul 2025 09:11
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:43:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	22137	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	9400	1.121	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	8443	1.089	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	63177	9.679	ug/l	99
3) Chloromethane	1.518	50	59882	9.869	ug/l	99
4) Vinyl Chloride	1.596	62	75063	9.713	ug/l	99
5) Bromomethane	1.843	94	56979	9.778	ug/l	99
6) Chloroethane	1.924	64	46809	10.032	ug/l	100
7) Trichlorofluoromethane	2.126	101	112398	10.130	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	59594	10.278	ug/l	99
9) 1,1-Dichloroethene	2.567	96	57624	10.027	ug/l	99
10) Iodomethane	2.708	142	73635	8.700	ug/l	99
11) Allyl Chloride	2.907	41	83570	10.065	ug/l	99
12) Acrylonitrile	3.303	53	29248	20.347	ug/l	98
13) Acetone	2.615	43	99900	86.744	ug/l	99
14) Carbon Disulfide	2.779	76	165060	8.892	ug/l	99
15) Methylene Chloride	3.026	84	67208	9.932	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	64633	9.902	ug/l	98
17) 1,1-Dichloroethane	3.850	63	122501	10.126	ug/l	99
18) 2-Butanone	4.708	43	119694	67.111	ug/l	100
19) Cyclohexane	5.361	56	102519	10.008	ug/l	99
20) Methylcyclohexane	6.743	83	90134	9.053	ug/l	97
21) 2,2-Dichloropropane	4.644	77	102934	9.992	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	71370	10.076	ug/l	98
23) Diethyl Ether	2.367	59	45906	10.482	ug/l	99
24) tert-Butyl Alcohol	3.184	59	52532	99.368	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	155262	10.348	ug/l	100
26) Bromochloromethane	4.952	128	30399	10.279	ug/l	93
27) Chloroform	5.071	83	127644	10.340	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	107685	10.278	ug/l	100
29) 1,1-Dichloropropene	5.502	75	97809	10.077	ug/l	98
30) Carbon Tetrachloride	5.499	117	86562	10.264	ug/l	96
31) Isopropyl Ether	3.988	45	182312	9.983	ug/l	96
32) Ethyl-t-butyl ether	4.499	59	170978	10.117	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	149469	10.191	ug/l	99
34) Propionitrile	4.772	54	26069	47.974	ug/l	97
35) Benzene	5.753	78	275788	10.575	ug/l	100
36) 1,2-Dichloroethane	5.779	62	86224	10.641	ug/l	99
37) Trichloroethene	6.525	130	59552	8.950	ug/l	96
38) 1,2-Dichloropropane	6.779	63	59104	9.683	ug/l	99
39) Methacrylonitrile	4.968	41	22645	9.375	ug/l	98
40) Methyl acrylate	4.843	55	34325	9.721	ug/l	98
41) Tetrahydrofuran	5.055	42	23866	18.783	ug/l	98
42) 1-Chlorobutane	5.438	56	133351	10.334	ug/l	100
43) Dibromomethane	6.904	93	31338	9.911	ug/l	95
44) Bromodichloromethane	7.094	83	69921	9.806	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063532.D
 Acq On : 18 Jul 2025 09:11
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:43:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:49:40 2025

Response via : Initial Calibration

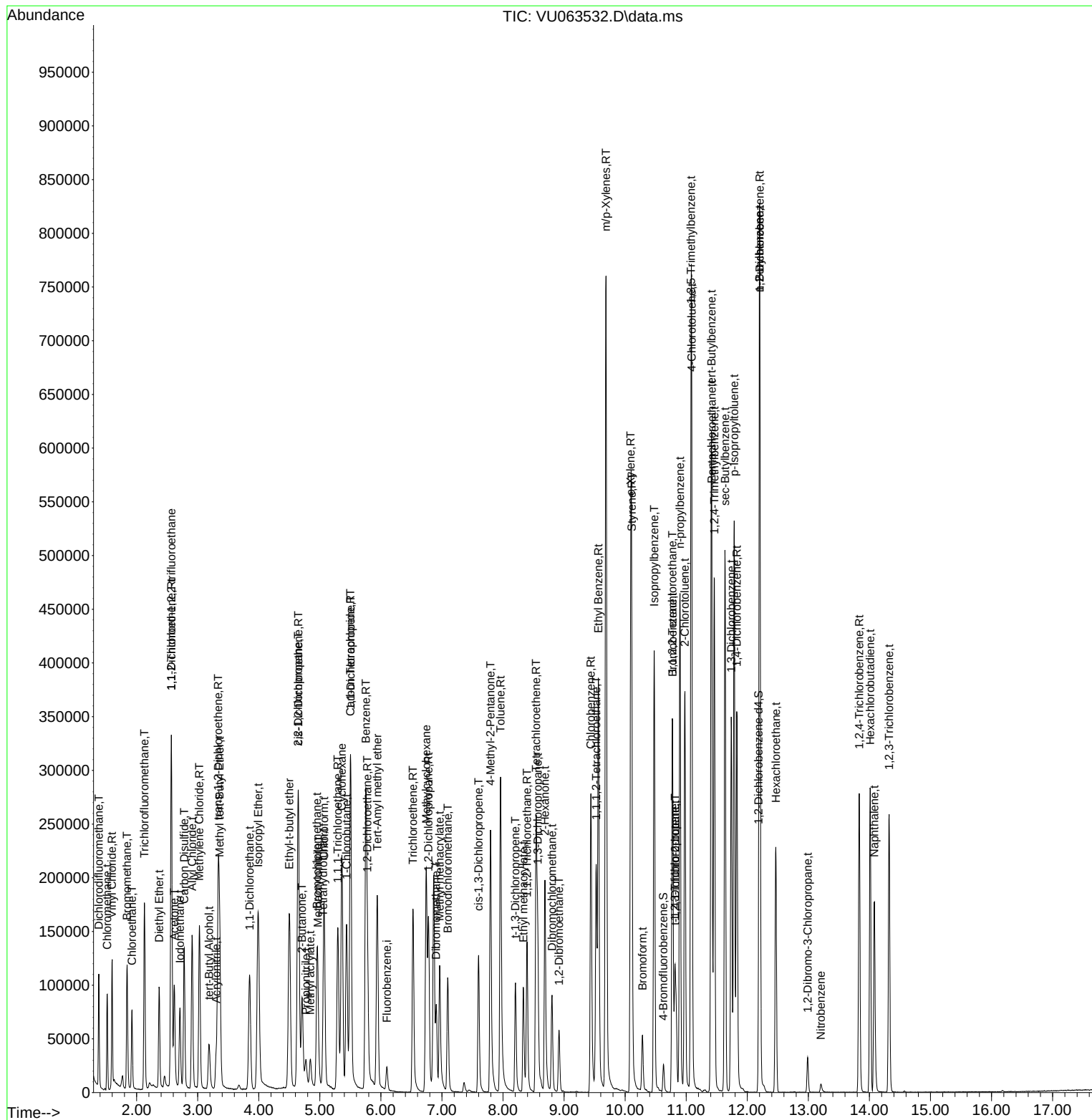
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	170568	52.342	ug/l	100
46) t-1,4-Dichloro-2-butene	10.820	75	24249m	19.823	ug/l	
47) Methyl methacrylate	6.962	69	54529	20.535	ug/l	97
48) Ethyl methacrylate	8.332	69	53751	10.607	ug/l	97
49) Toluene	7.959	92	145734	10.235	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	57571	10.291	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	75837	10.099	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	43960	10.327	ug/l	98
53) 1,3-Dichloropropane	8.566	76	75937	10.333	ug/l	99
54) 2-Hexanone	8.685	43	132800	61.353	ug/l	97
55) Dibromochloromethane	8.801	129	46798	10.403	ug/l	99
56) 1,2-Dibromoethane	8.917	107	39027	10.244	ug/l	99
58) Tetrachloroethene	8.541	164	58247	9.565	ug/l	97
59) Chlorobenzene	9.438	112	167611	10.249	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	52907	10.060	ug/l	98
61) Pentachloroethane	11.418	117	40119	10.796	ug/l	96
62) Hexachloroethane	12.467	117	39030	10.606	ug/l	99
63) Ethyl Benzene	9.560	91	289339	10.281	ug/l	100
64) m/p-Xylenes	9.685	106	228441	20.884	ug/l	98
65) o-Xylene	10.090	106	111689	10.626	ug/l	99
66) Styrene	10.107	104	182214	10.877	ug/l	99
67) Bromoform	10.283	173	22764	9.853	ug/l	99
69) Isopropylbenzene	10.476	105	271215	10.673	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	55200	10.657	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	42901m	10.198	ug/l	
72) Bromobenzene	10.775	156	67162	10.241	ug/l	95
73) n-propylbenzene	10.898	120	83463	10.911	ug/l	99
74) 2-Chlorotoluene	10.978	126	71241	10.538	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	263117	10.839	ug/l	100
76) 4-Chlorotoluene	11.090	126	74500	10.851	ug/l	99
77) tert-Butylbenzene	11.412	119	248774	10.723	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	262116	10.884	ug/l	100
79) sec-Butylbenzene	11.634	105	341350	10.911	ug/l	99
80) Nitrobenzene	13.203	77	4689	42.376	ug/l	97
81) p-Isopropyltoluene	11.785	119	287611	11.013	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	140019	10.671	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	141444	10.769	ug/l	98
84) n-Butylbenzene	12.200	91	276678	11.423	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	133976	10.868	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	8081	9.368	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	82660	10.783	ug/l	100
88) Hexachlorobutadiene	14.013	225	45081	10.355	ug/l	99
89) Naphthalene	14.081	128	150983	10.991	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	76164	10.751	ug/l	99

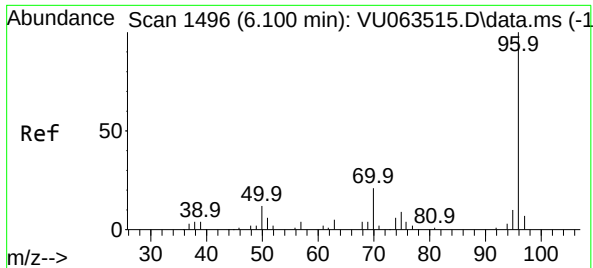
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

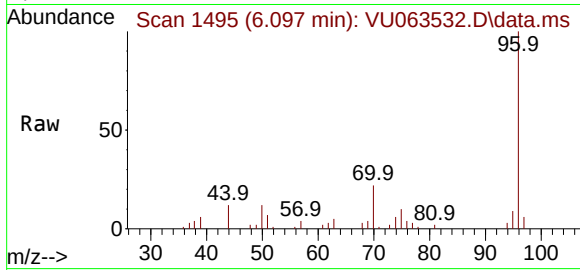
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

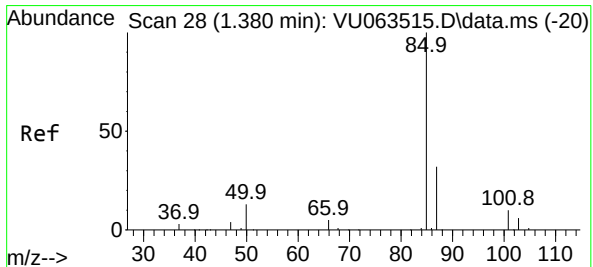
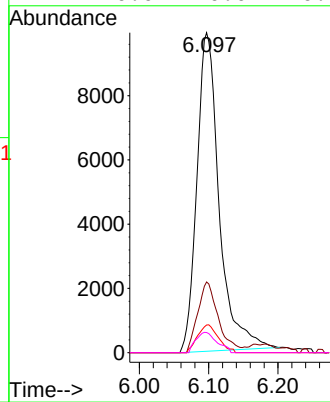
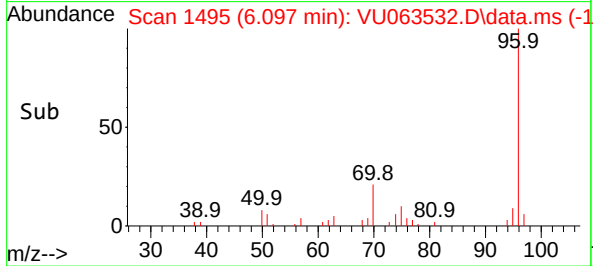
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion: 96 Resp: 2213
Ion Ratio Lower Upper
96 100
70 18.9 15.0 22.4
95 8.2 7.4 11.0
97 0.0 0.0 0.0

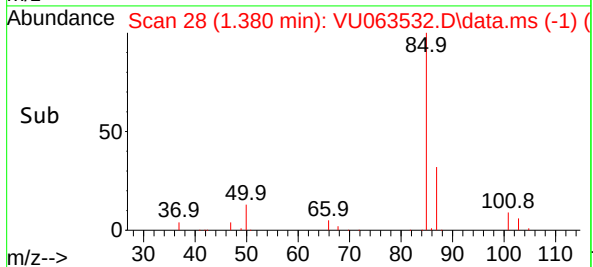
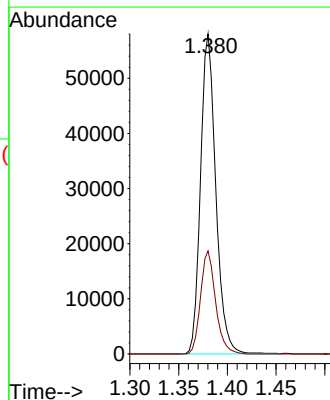
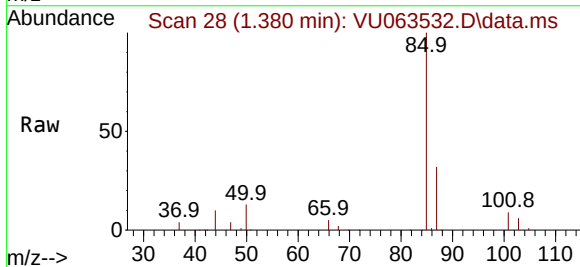
Manual Integrations
APPROVED

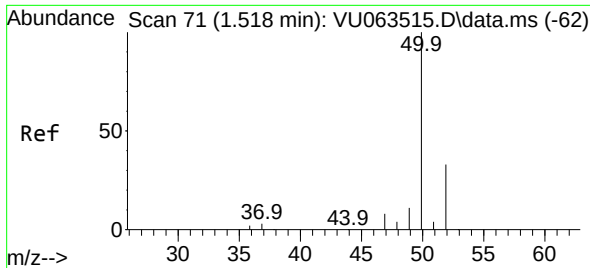
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#2
Dichlorodifluoromethane
Concen: 9.679 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 85 Resp: 63177
Ion Ratio Lower Upper
85 100
87 32.2 16.0 47.9





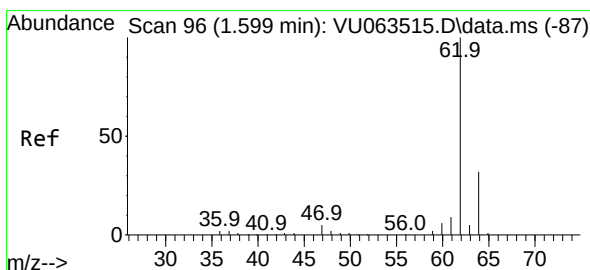
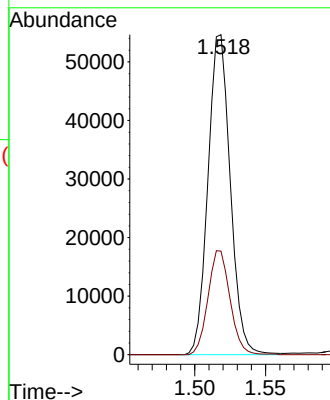
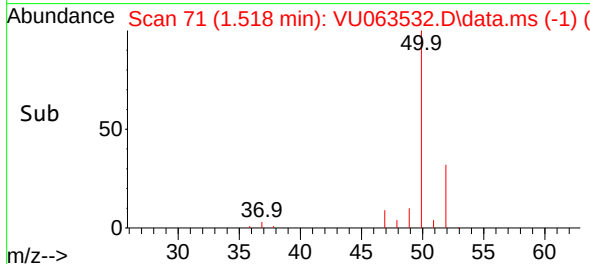
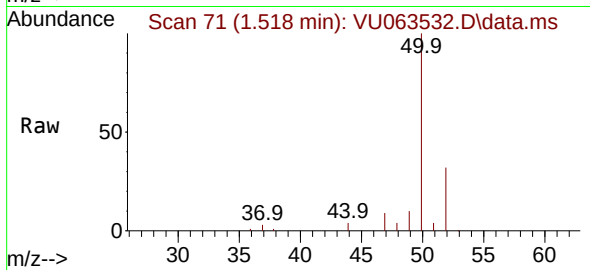
#3
Chloromethane
Concen: 9.869 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 50 Resp: 5988
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

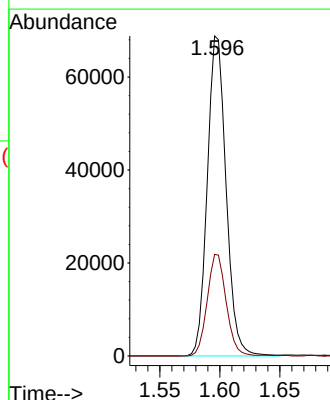
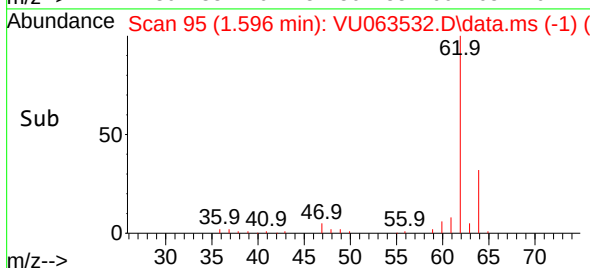
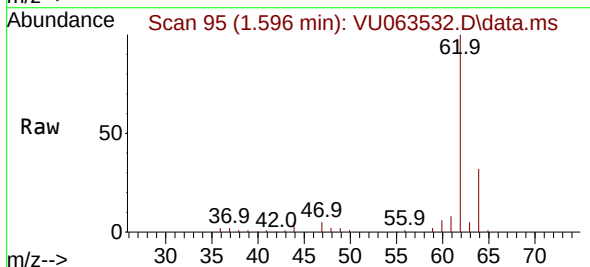
Manual Integrations
APPROVED

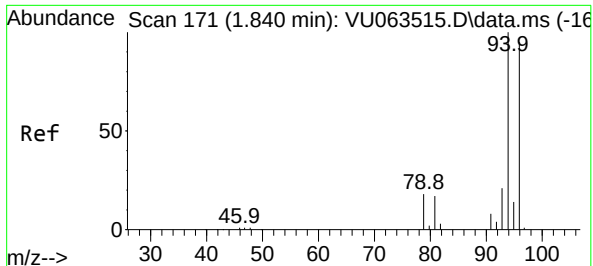
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#4
Vinyl Chloride
Concen: 9.713 ug/l
RT: 1.596 min Scan# 95
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 62 Resp: 75063
Ion Ratio Lower Upper
62 100
64 31.7 25.7 38.5





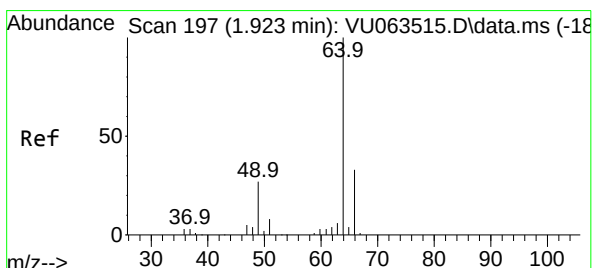
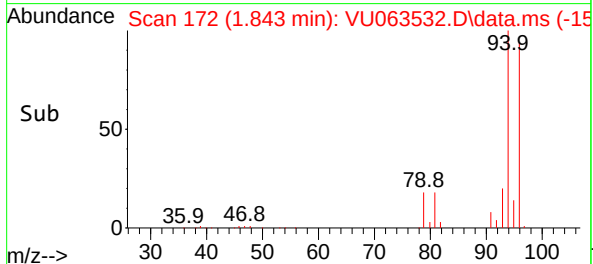
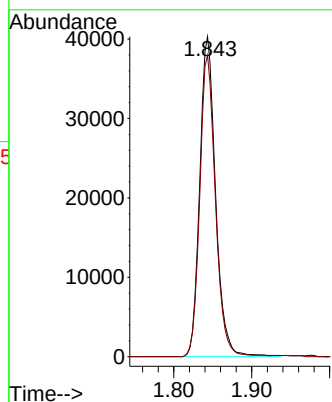
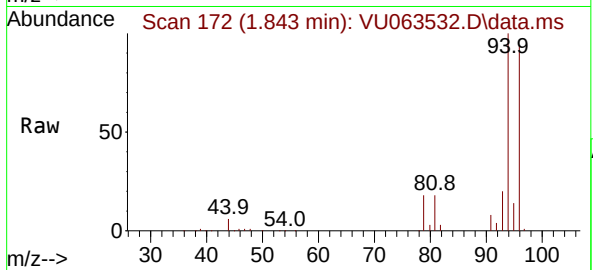
#5
Bromomethane
Concen: 9.778 ug/l
RT: 1.843 min Scan# 171
Delta R.T. 0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 94 Resp: 56979
Ion Ratio Lower Upper
94 100
96 94.2 75.8 113.6

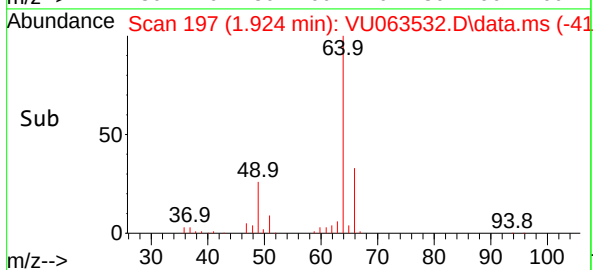
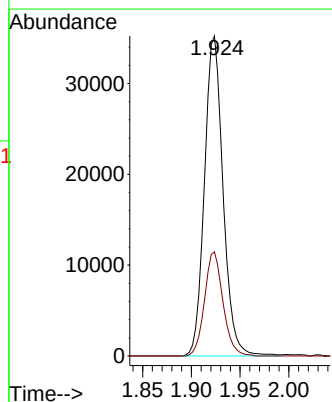
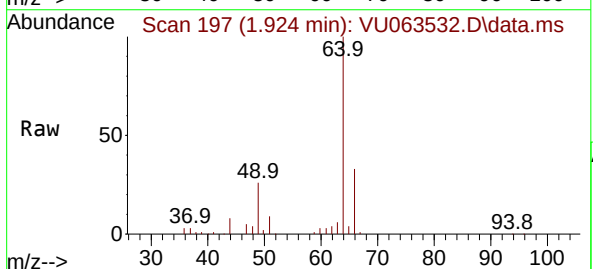
Manual Integrations
APPROVED

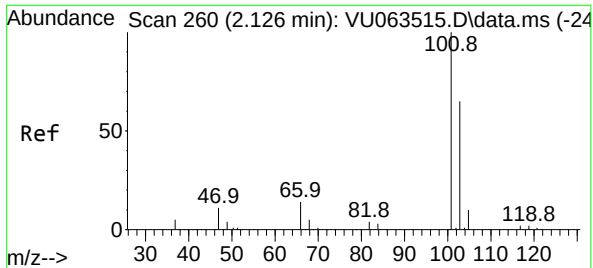
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#6
Chloroethane
Concen: 10.032 ug/l
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 64 Resp: 46809
Ion Ratio Lower Upper
64 100
66 32.6 26.2 39.4





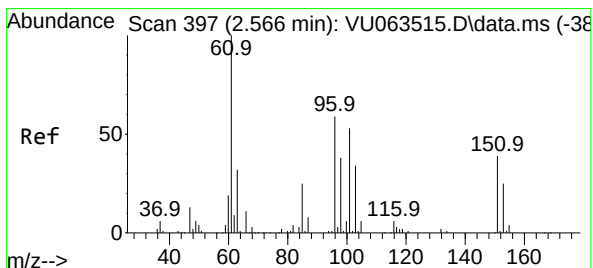
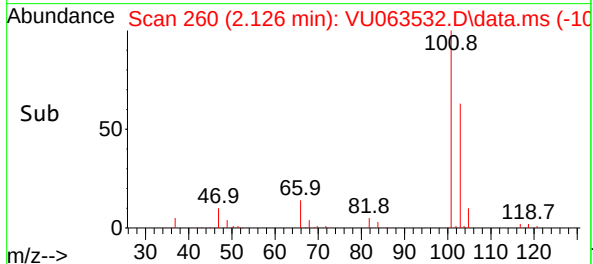
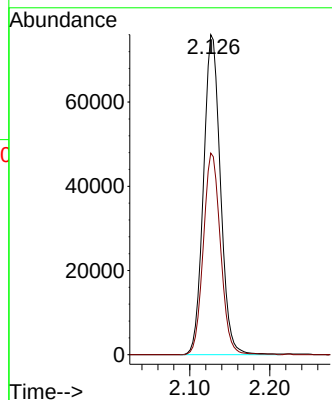
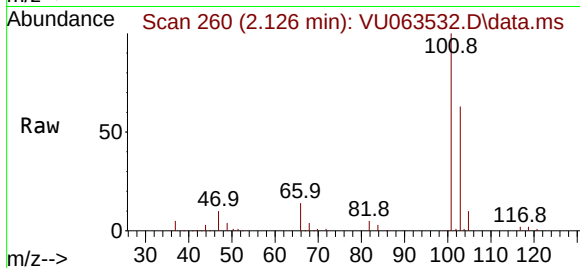
#7
Trichlorofluoromethane
Concen: 10.130 ug/l
RT: 2.126 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 112398
Ion Ratio Lower Upper
101 100
103 63.0 52.2 78.4

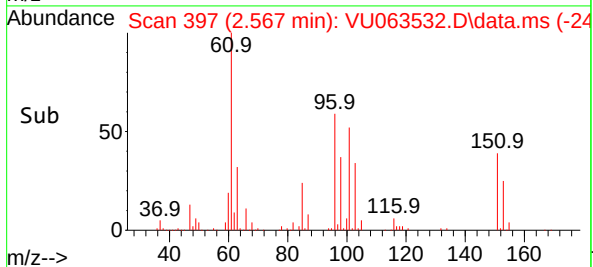
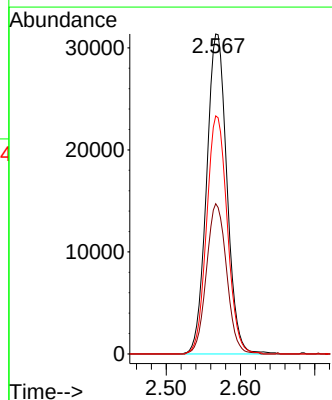
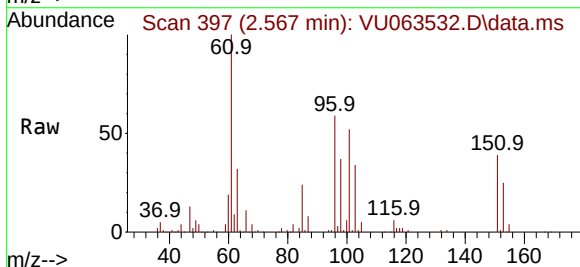
Manual Integrations
APPROVED

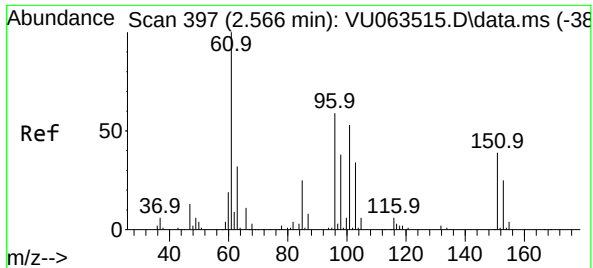
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.278 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion:101 Resp: 59594
Ion Ratio Lower Upper
101 100
85 46.6 37.8 56.6
151 75.3 59.2 88.8





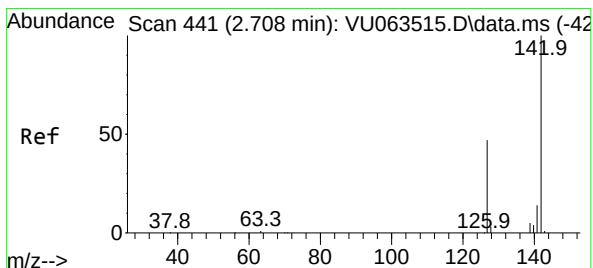
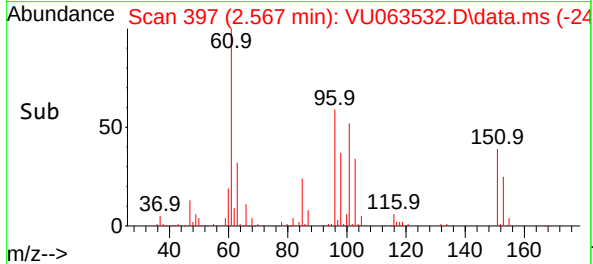
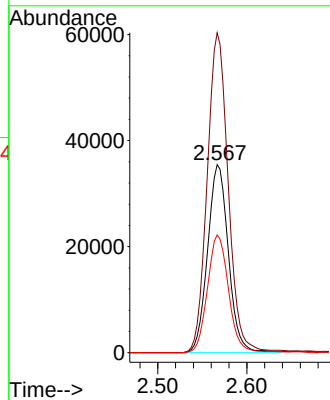
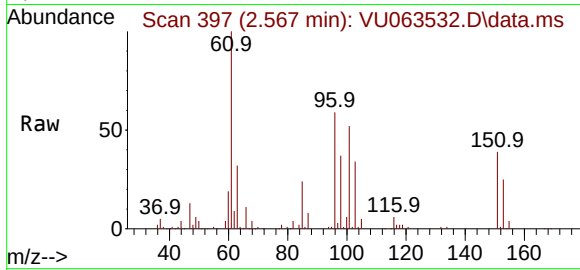
#9
1,1-Dichloroethene
Concen: 10.027 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 96 Resp: 57624
Ion Ratio Lower Upper
96 100
61 170.2 0.0 504.3
98 62.7 0.0 126.8

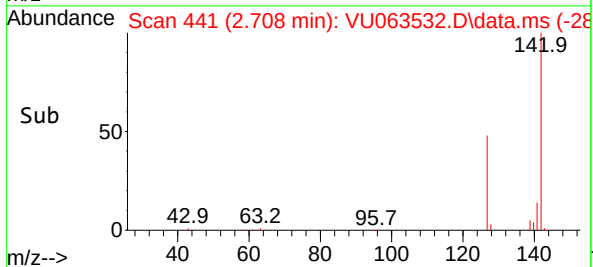
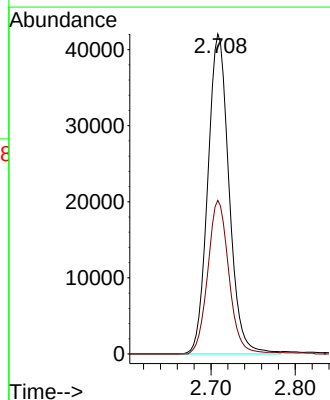
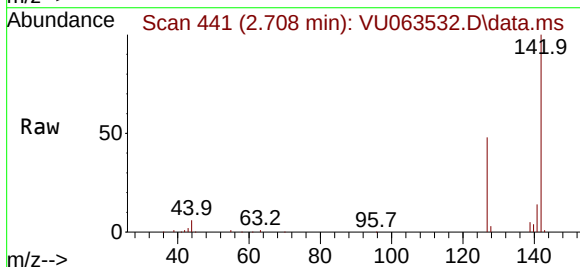
Manual Integrations
APPROVED

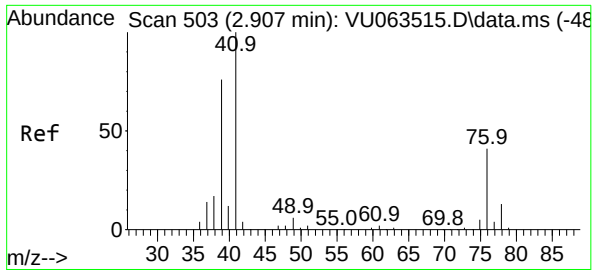
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#10
Iodomethane
Concen: 8.700 ug/l
RT: 2.708 min Scan# 441
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion:142 Resp: 73635
Ion Ratio Lower Upper
142 100
127 48.3 37.9 56.9





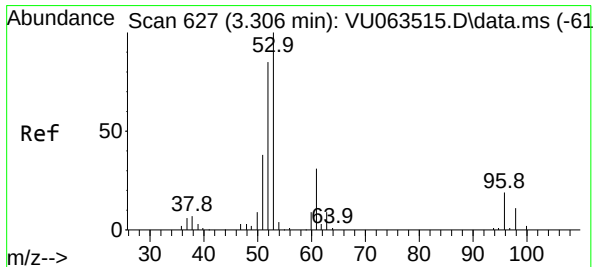
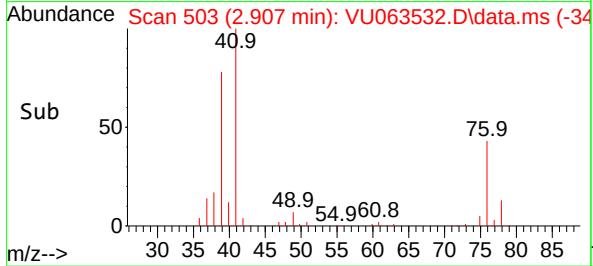
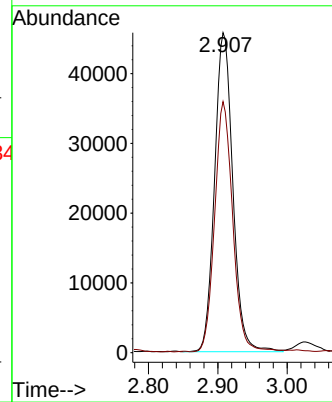
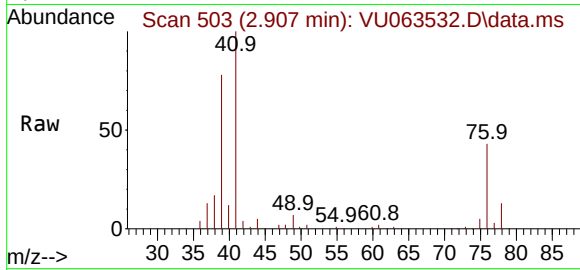
#11
Allyl Chloride
Concen: 10.065 ug/l
RT: 2.907 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 83570
Ion Ratio Lower Upper
41 100
39 77.7 61.5 92.3

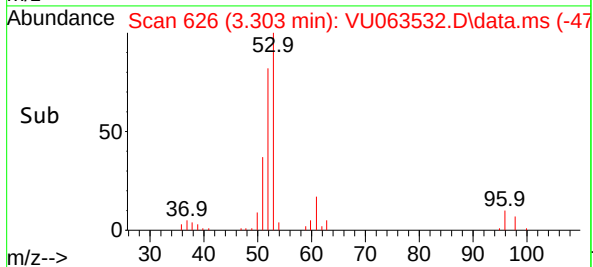
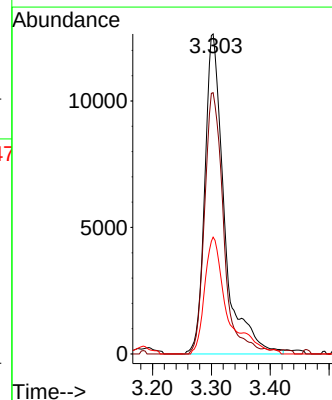
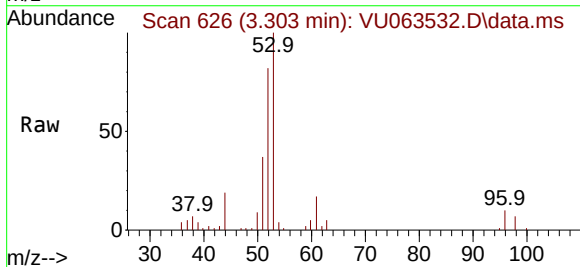
Manual Integrations
APPROVED

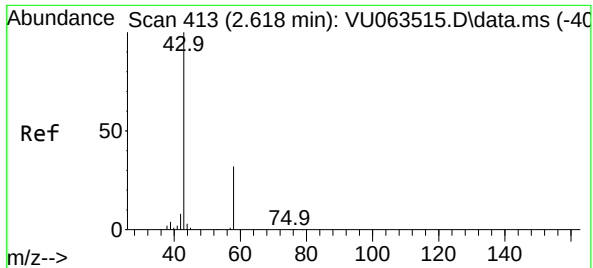
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#12
Acrylonitrile
Concen: 20.347 ug/l
RT: 3.303 min Scan# 626
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 53 Resp: 29248
Ion Ratio Lower Upper
53 100
52 79.2 64.3 96.5
51 36.5 27.8 41.8





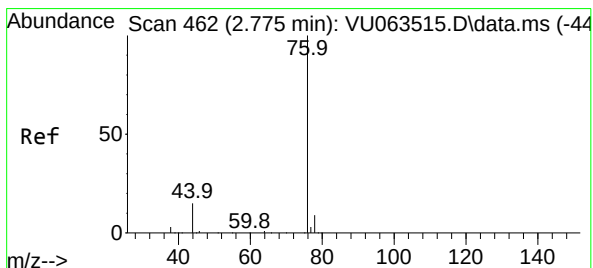
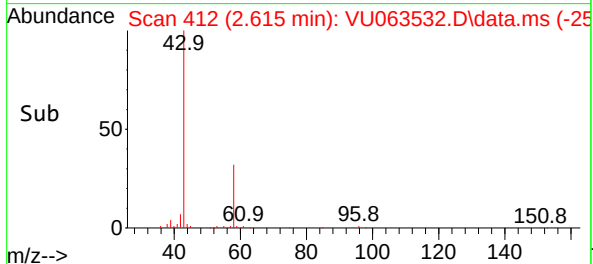
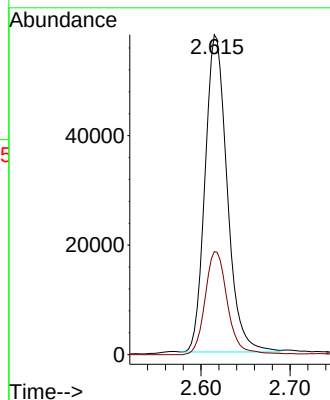
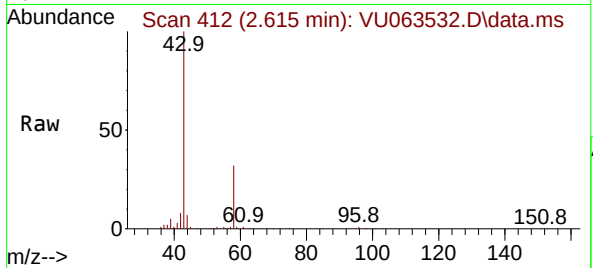
#13
Acetone
Concen: 86.744 ug/l
RT: 2.615 min Scan# 413
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 99900
Ion Ratio Lower Upper
43 100
58 32.5 25.4 38.0

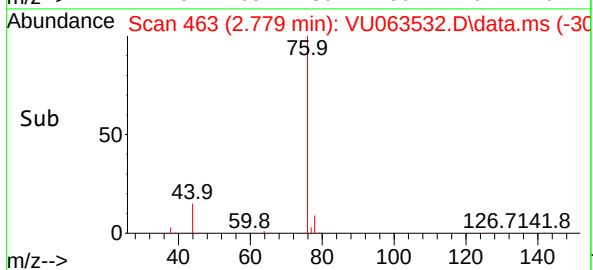
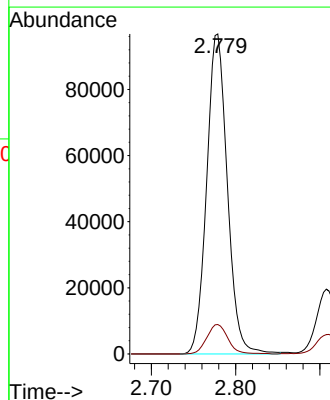
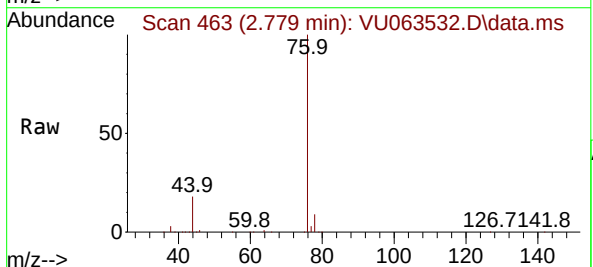
Manual Integrations
APPROVED

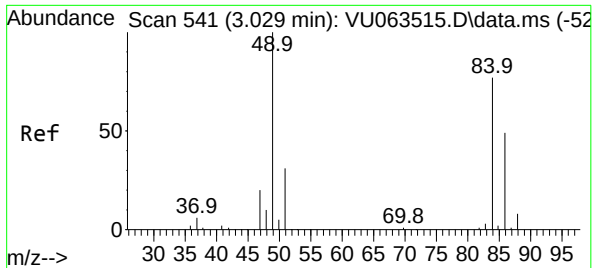
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#14
Carbon Disulfide
Concen: 8.892 ug/l
RT: 2.779 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

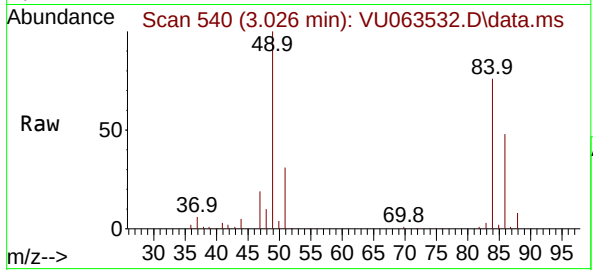
Tgt Ion: 76 Resp: 165060
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6





#15
Methylene Chloride
Concen: 9.932 ug/l
RT: 3.026 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

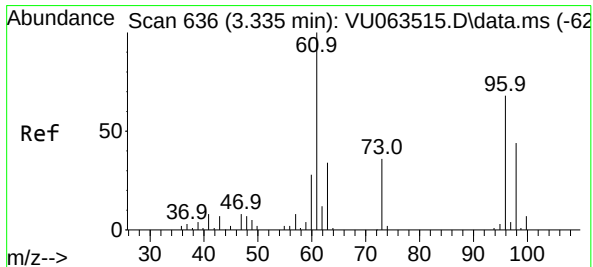
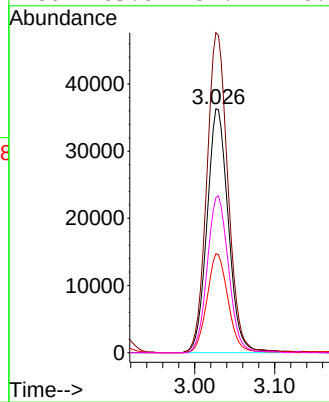
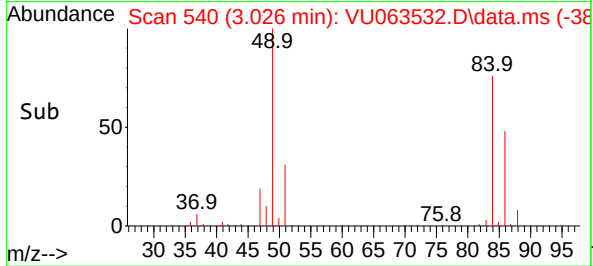
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



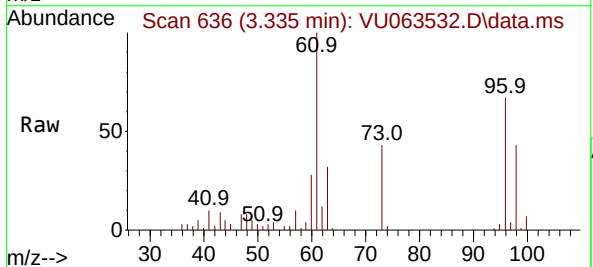
Tgt Ion: 84 Resp: 67208
Ion Ratio Lower Upper
84 100
49 131.2 103.8 155.8
51 40.6 0.0 80.4
86 63.6 51.1 76.7

Manual Integrations
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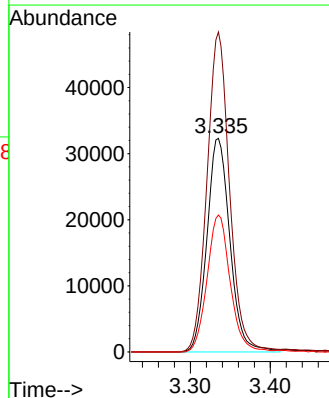
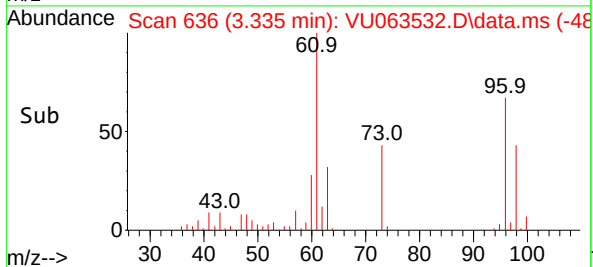
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

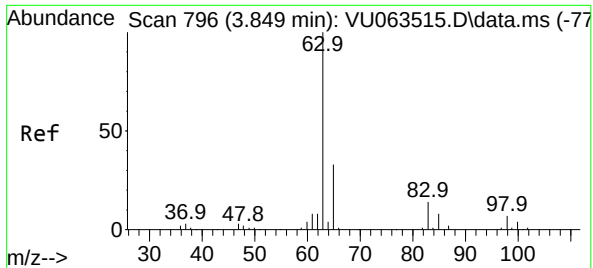


#16
trans-1,2-Dichloroethene
Concen: 9.902 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion: 96 Resp: 64633
Ion Ratio Lower Upper
96 100
61 149.8 117.2 175.8
98 64.1 51.4 77.2





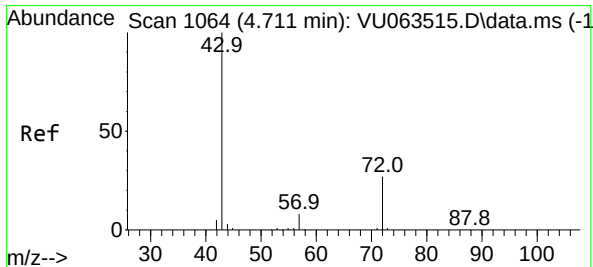
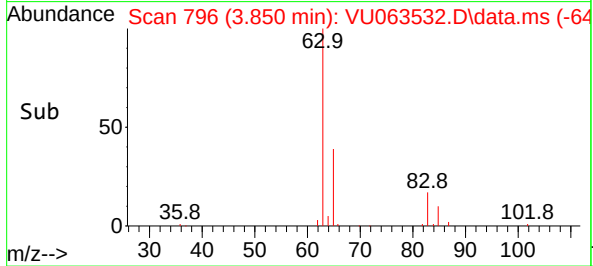
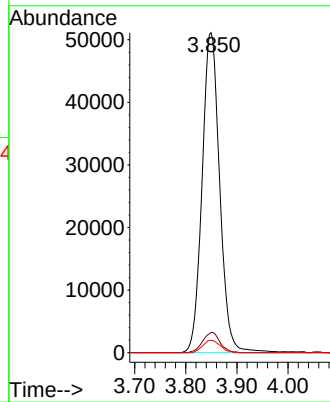
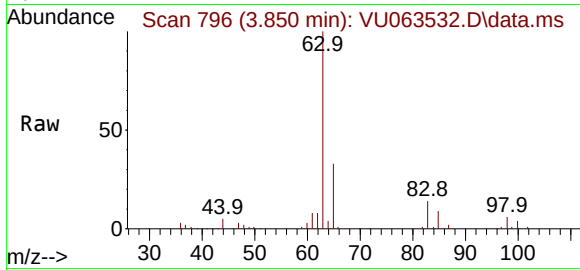
#17
1,1-Dichloroethane
Concen: 10.126 ug/l
RT: 3.850 min Scan# 796
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 12250
Ion Ratio Lower Upper
63 100
98 6.3 3.4 10.2
100 3.9 2.1 6.2

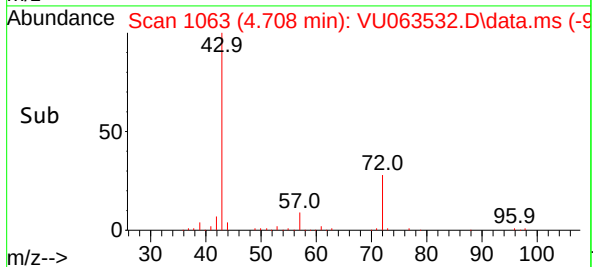
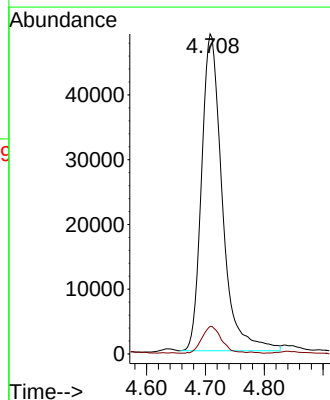
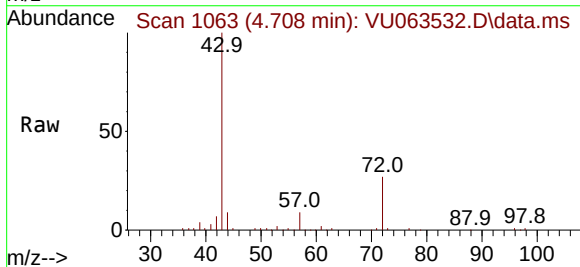
Manual Integrations
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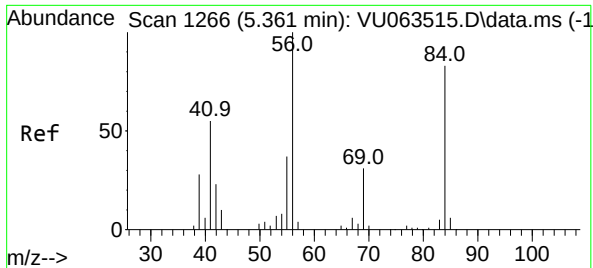
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#18
2-Butanone
Concen: 67.111 ug/l
RT: 4.708 min Scan# 1063
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 43 Resp: 119694
Ion Ratio Lower Upper
43 100
57 8.1 0.0 16.4





#19

Cyclohexane

Concen: 10.008 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 56 Resp: 102519

Ion Ratio Lower Upper

56 100

69 33.3 26.6 39.8

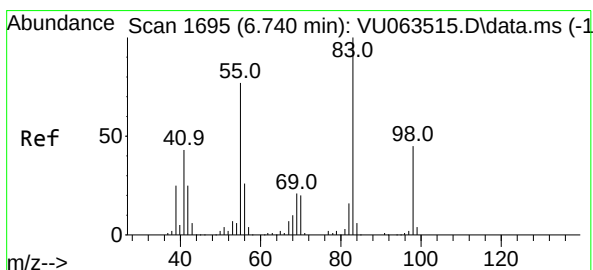
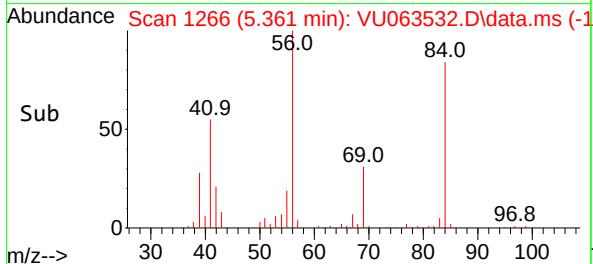
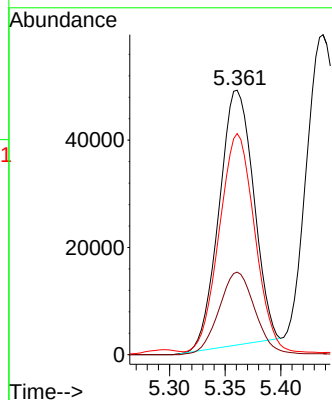
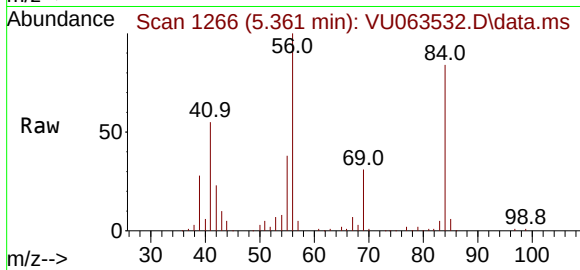
84 87.7 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#20

Methylcyclohexane

Concen: 9.053 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

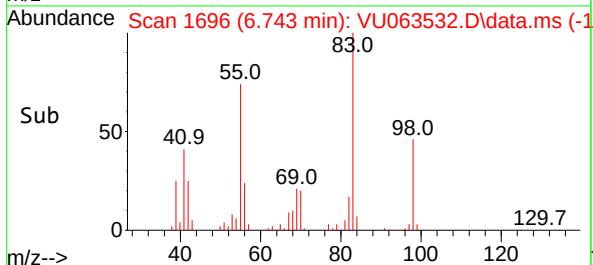
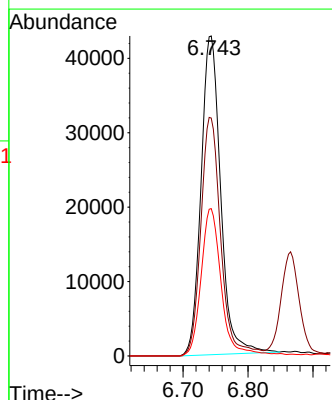
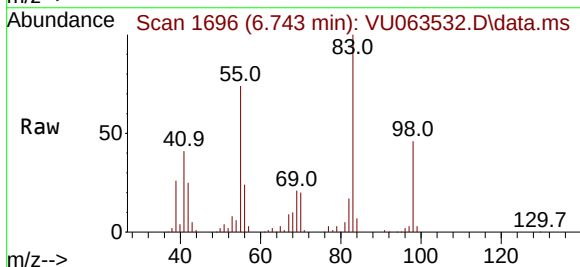
Tgt Ion: 83 Resp: 90134

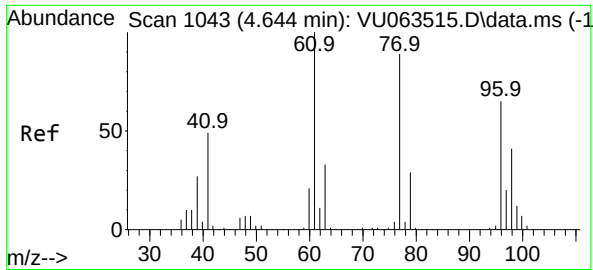
Ion Ratio Lower Upper

83 100

55 73.0 60.6 90.8

98 46.8 35.8 53.8





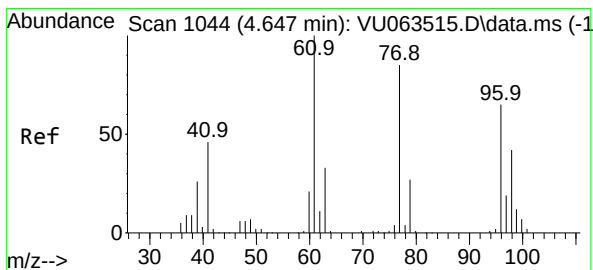
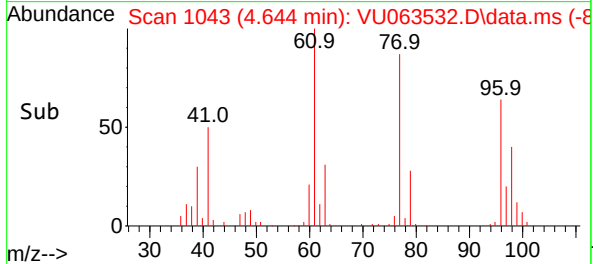
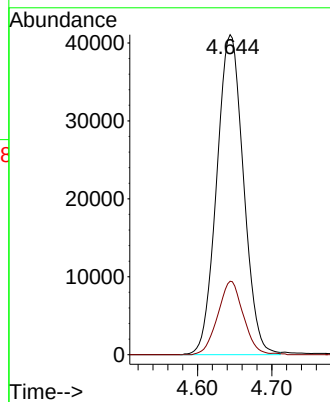
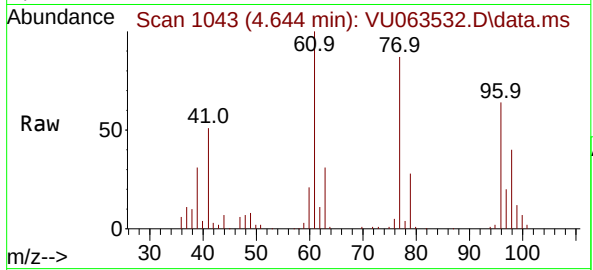
#21
2,2-Dichloropropane
Concen: 9.992 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 77 Resp: 102934
Ion Ratio Lower Upper
77 100
97 21.8 17.8 26.8

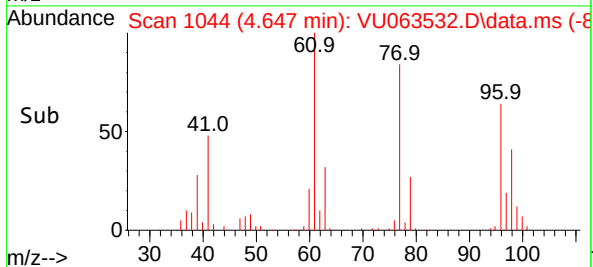
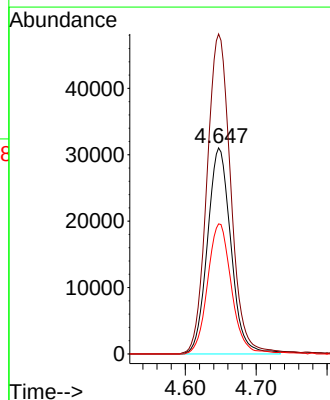
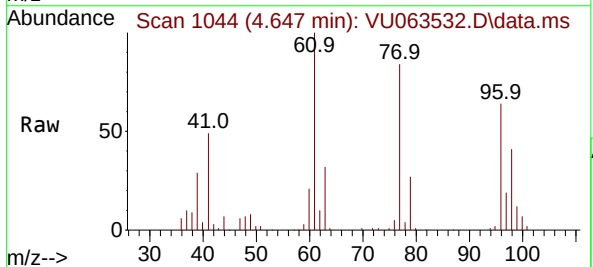
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

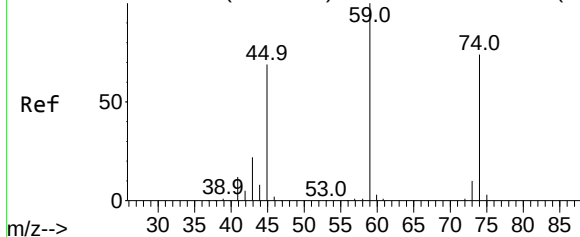


#22
cis-1,2-Dichloroethene
Concen: 10.076 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 96 Resp: 71370
Ion Ratio Lower Upper
96 100
61 157.8 0.0 384.7
98 64.1 32.1 96.3



Abundance Scan 335 (2.367 min): VU063515.D\data.ms (-32



#23

Diethyl Ether

Concen: 10.482 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 45900

Ion Ratio Lower Upper

59 100

45 68.2 55.1 82.7

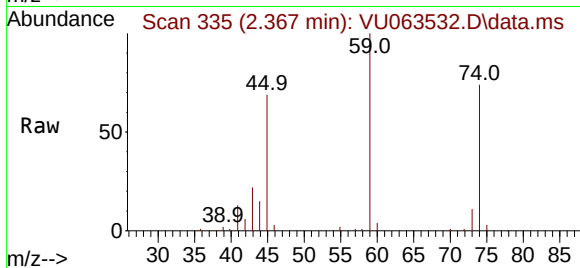
74 73.6 58.2 87.4

Manual Integrations

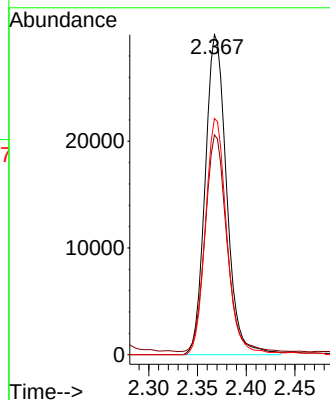
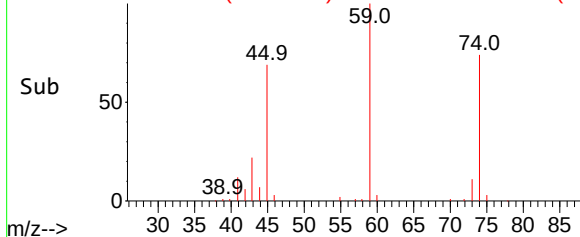
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

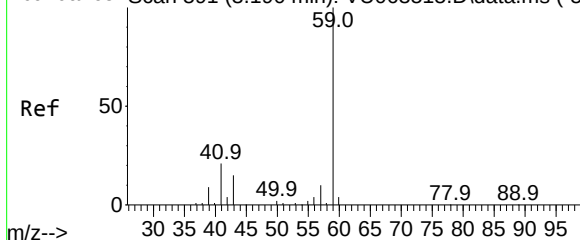
Supervised By :Semsettin Yesilyurt 07/21/2025



Abundance Scan 335 (2.367 min): VU063532.D\data.ms (-17



Abundance Scan 591 (3.190 min): VU063515.D\data.ms (-57



#24

tert-Butyl Alcohol

Concen: 99.368 ug/l

RT: 3.184 min Scan# 589

Delta R.T. -0.006 min

Lab File: VU063532.D

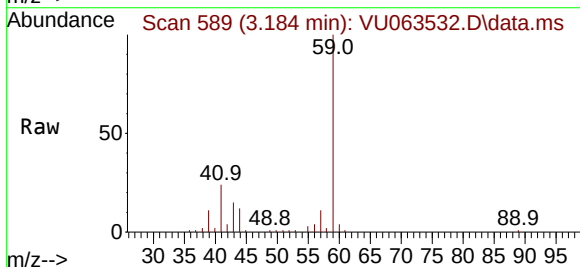
Acq: 18 Jul 2025 09:11

Tgt Ion: 59 Resp: 52532

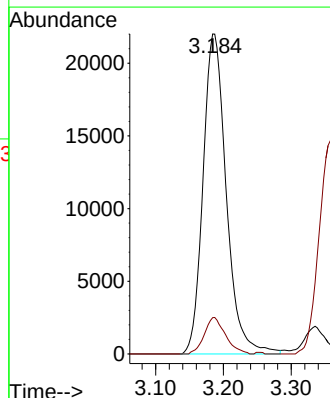
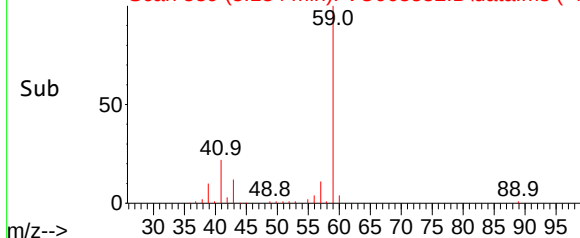
Ion Ratio Lower Upper

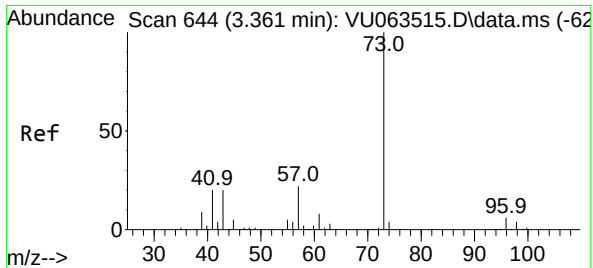
59 100

57 10.4 8.6 12.8



Abundance Scan 589 (3.184 min): VU063532.D\data.ms (-43





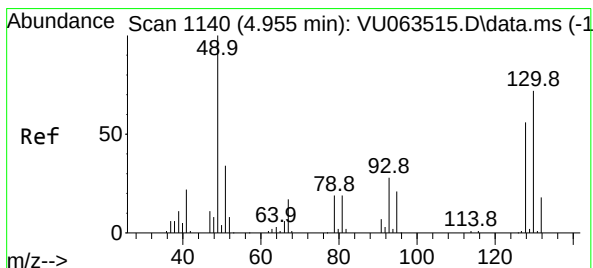
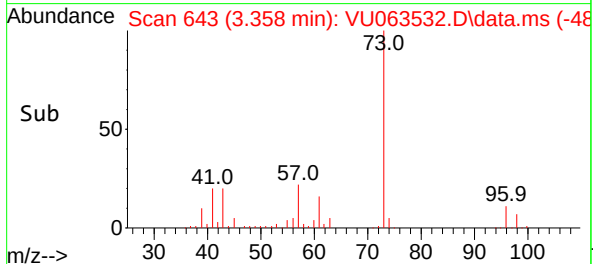
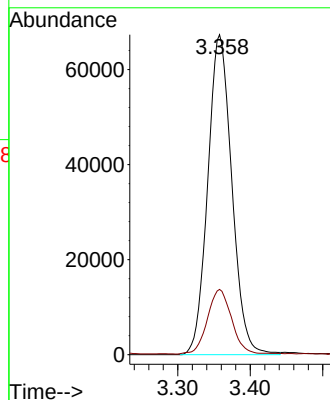
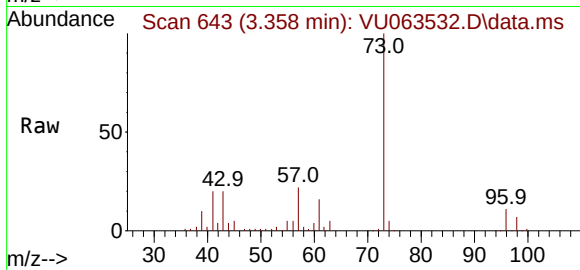
#25
Methyl tert-Butyl Ether
Concen: 10.348 ug/l
RT: 3.358 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 73 Resp: 15526
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.2

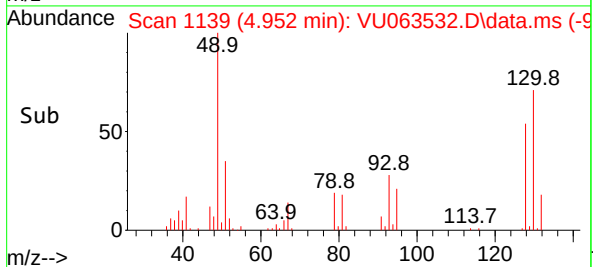
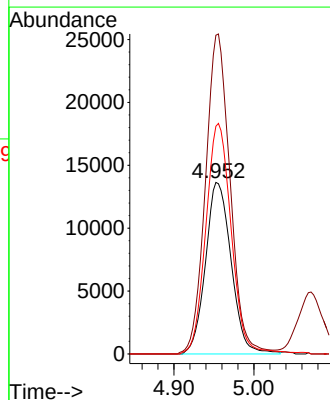
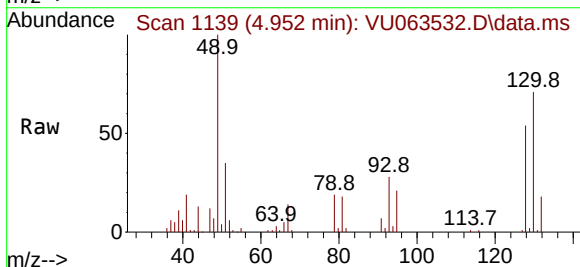
Manual Integrations
APPROVED

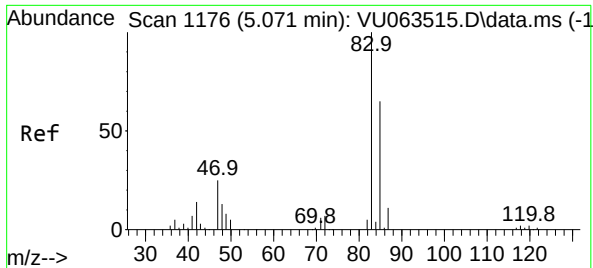
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#26
Bromochloromethane
Concen: 10.279 ug/l
RT: 4.952 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

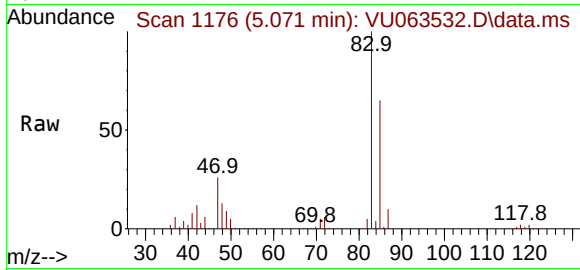
Tgt Ion:128 Resp: 30399
Ion Ratio Lower Upper
128 100
49 179.2 0.0 340.8
130 133.3 100.5 150.7





#27
Chloroform
Concen: 10.340 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

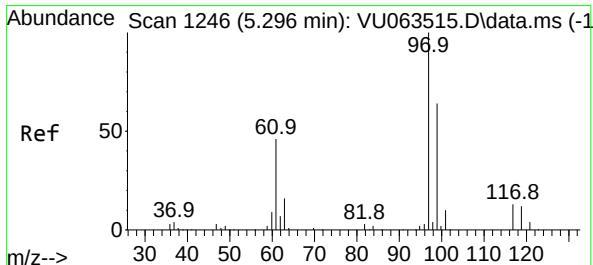
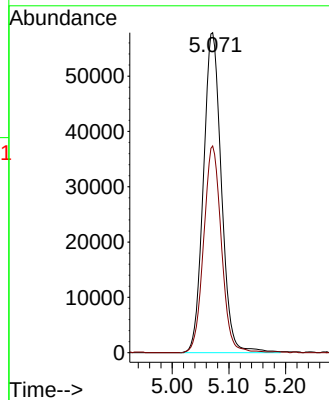
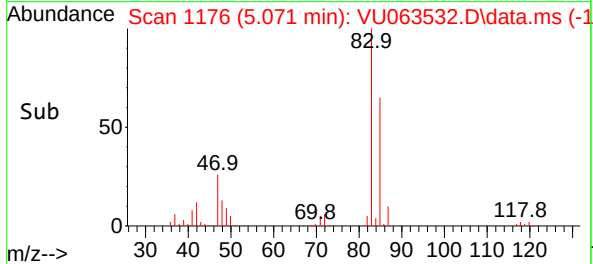
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



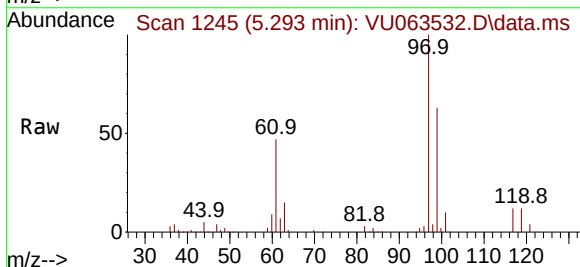
Tgt Ion: 83 Resp: 127644
Ion Ratio Lower Upper
83 100
85 64.6 0.0 130.0

Manual Integrations
APPROVED

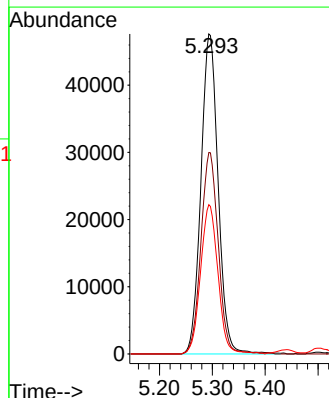
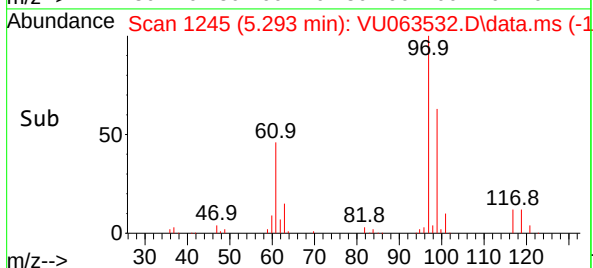
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

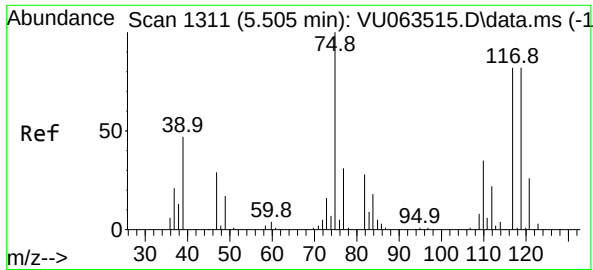


#28
1,1,1-Trichloroethane
Concen: 10.278 ug/l
RT: 5.293 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion: 97 Resp: 107685
Ion Ratio Lower Upper
97 100
99 63.4 31.8 95.3
61 47.2 23.3 69.9





#29

1,1-Dichloropropene

Concen: 10.077 ug/l

RT: 5.502 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 97809

Ion Ratio Lower Upper

75 100

110 34.0 17.8 53.4

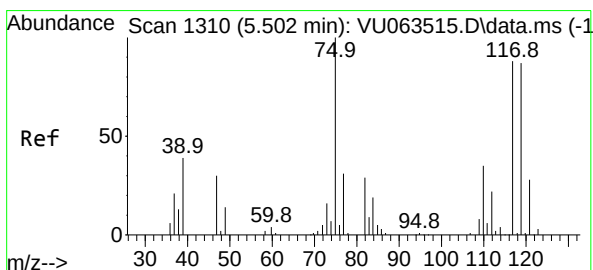
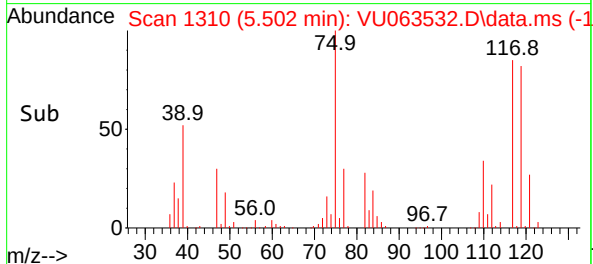
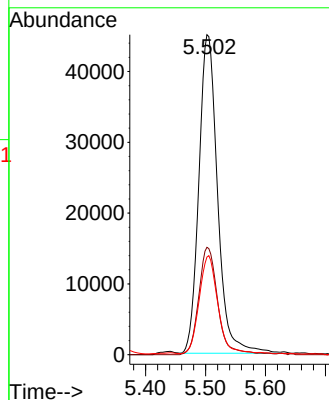
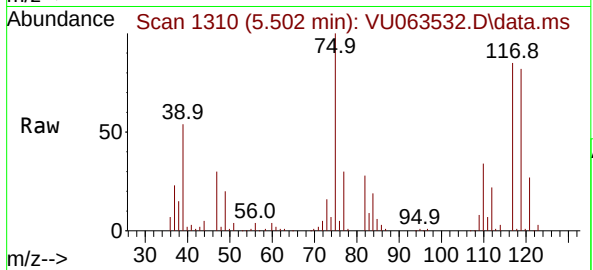
77 30.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 10.264 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

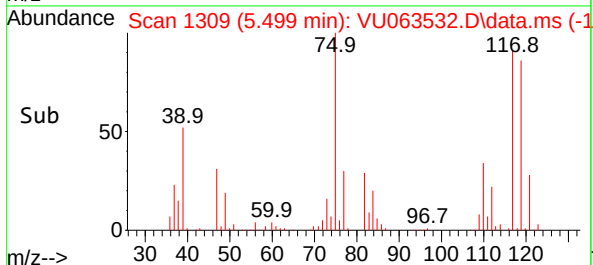
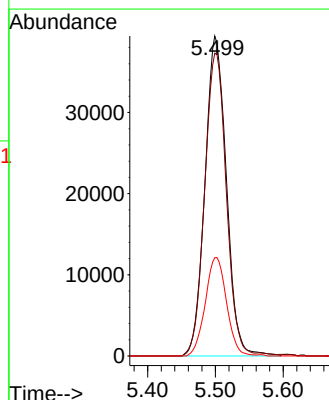
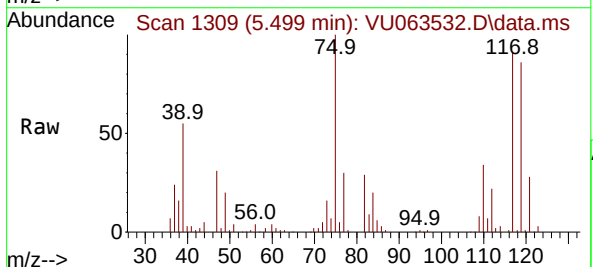
Tgt Ion:117 Resp: 86562

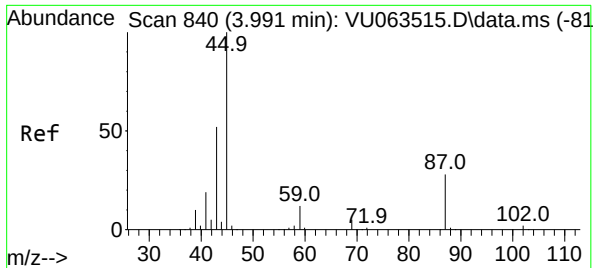
Ion Ratio Lower Upper

117 100

119 94.6 79.2 118.8

121 30.7 25.5 38.3





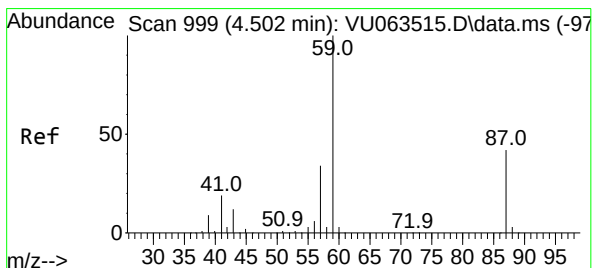
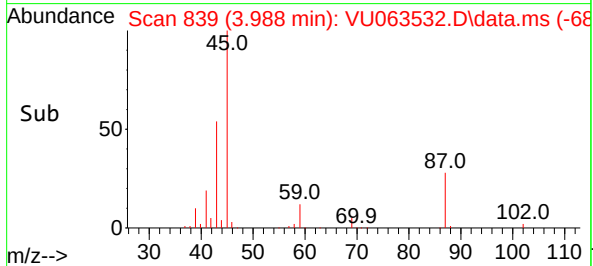
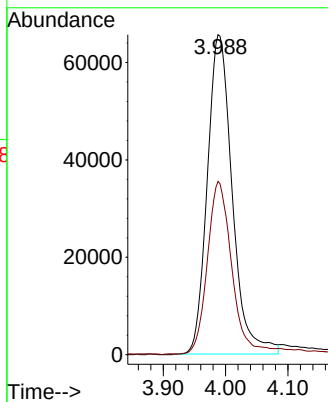
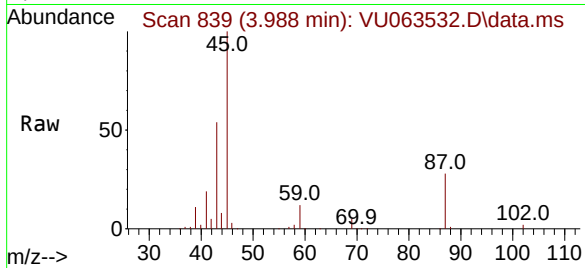
#31
Isopropyl Ether
Concen: 9.983 ug/l
RT: 3.988 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 18231
Ion Ratio Lower Upper
45 100
43 53.8 25.7 77.0

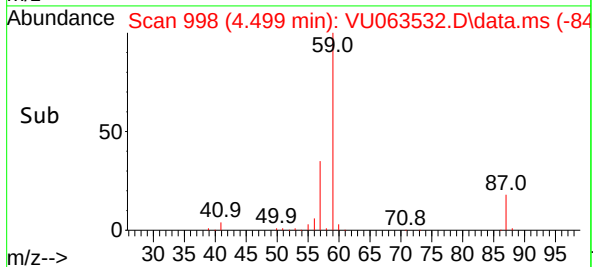
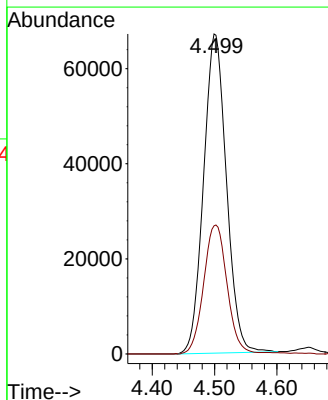
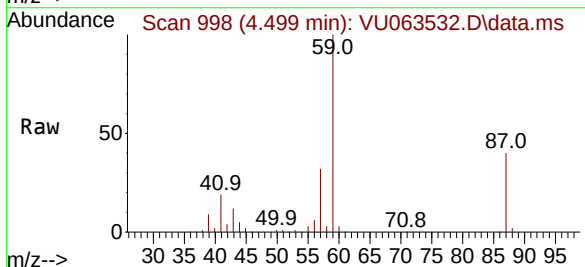
Manual Integrations
APPROVED

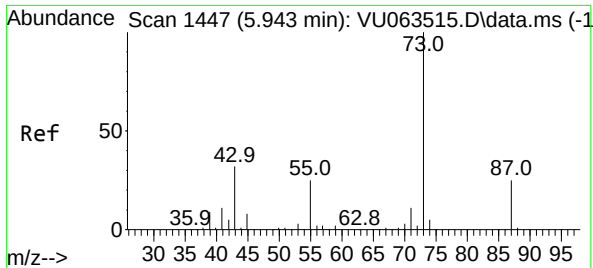
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#32
Ethyl-t-butyl ether
Concen: 10.117 ug/l
RT: 4.499 min Scan# 998
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 59 Resp: 170978
Ion Ratio Lower Upper
59 100
87 40.7 32.6 49.0





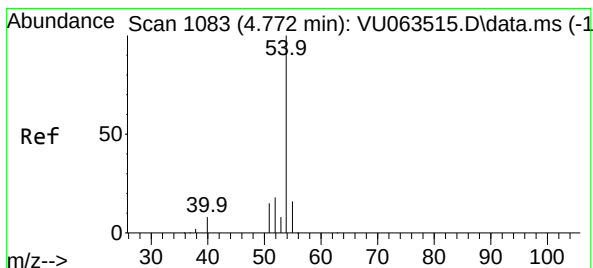
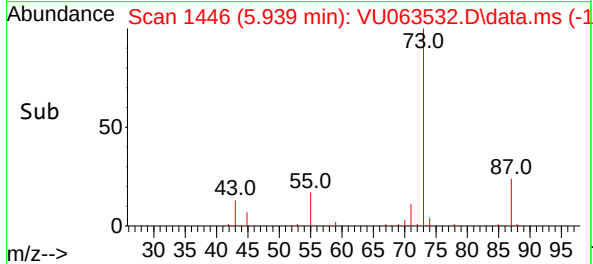
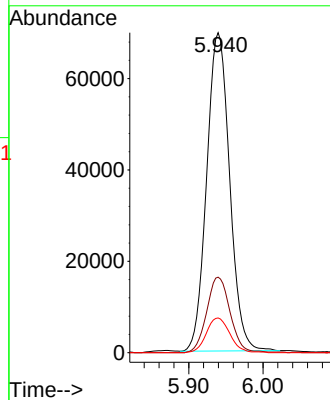
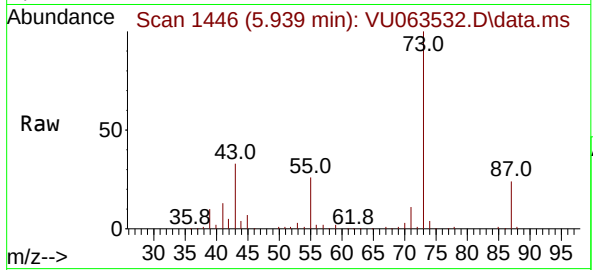
#33
Tert-Amyl methyl ether
Concen: 10.191 ug/l
RT: 5.939 min Scan# 1446
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 73 Resp: 149469
Ion Ratio Lower Upper
73 100
87 23.9 19.4 29.2
71 11.2 8.9 13.3

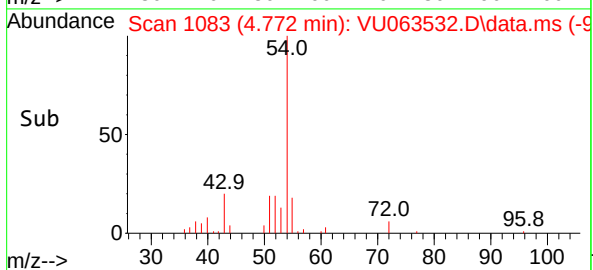
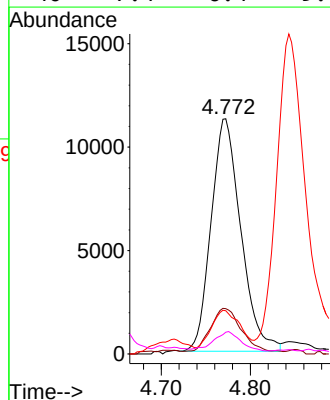
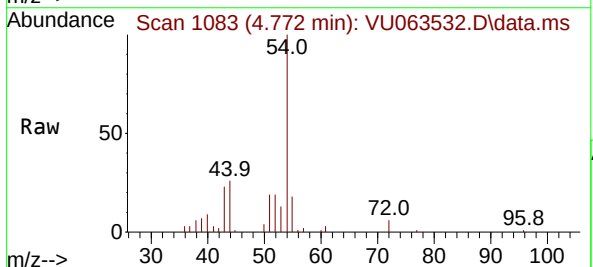
Manual Integrations
APPROVED

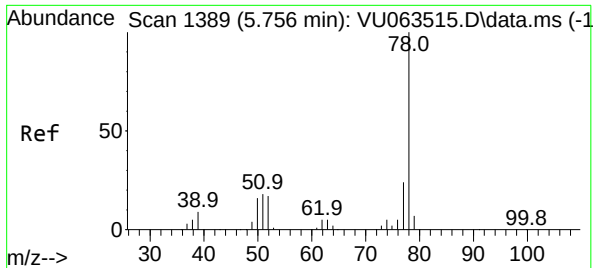
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#34
Propionitrile
Concen: 47.974 ug/l
RT: 4.772 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 54 Resp: 26069
Ion Ratio Lower Upper
54 100
52 19.2 17.0 25.4
55 16.2 13.6 20.4
40 7.4 6.4 9.6





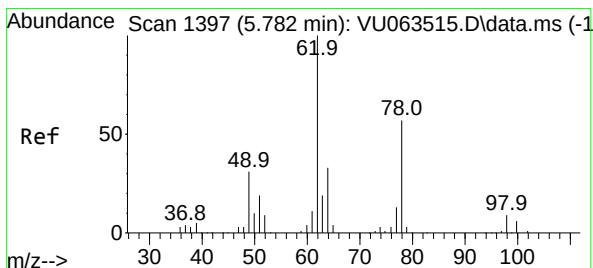
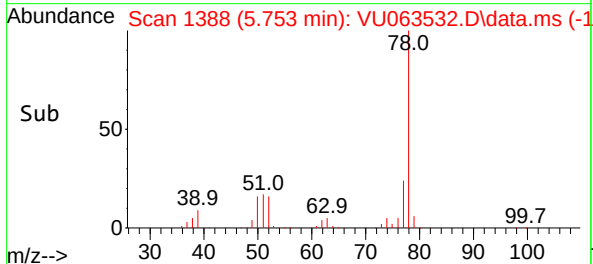
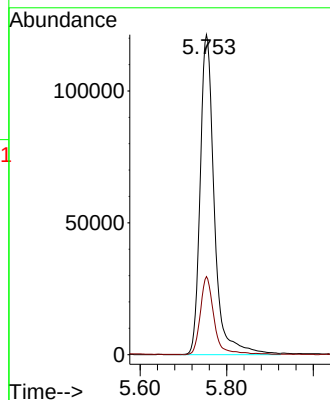
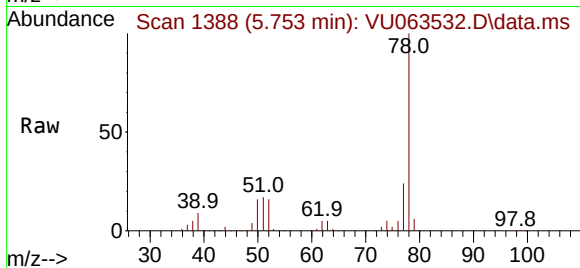
#35
Benzene
Concen: 10.575 ug/l
RT: 5.753 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 78 Resp: 27578
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

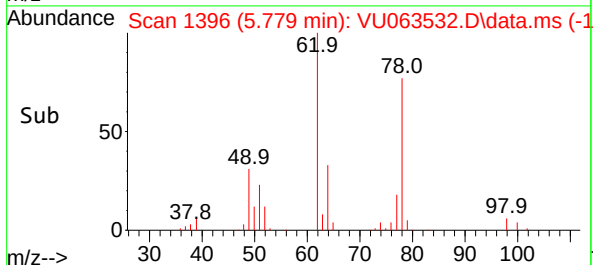
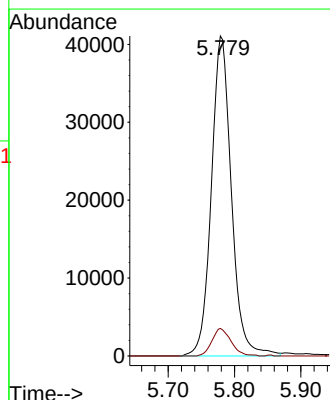
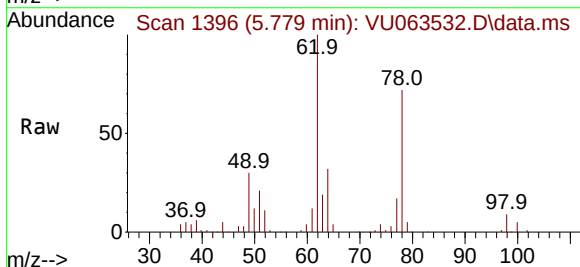
Manual Integrations
APPROVED

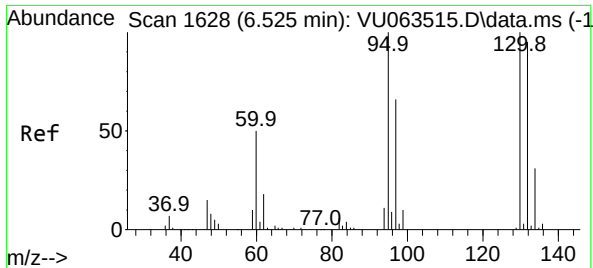
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#36
1,2-Dichloroethane
Concen: 10.641 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

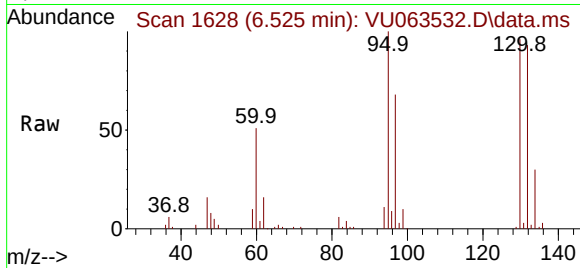
Tgt Ion: 62 Resp: 86224
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6





#37
Trichloroethene
Concen: 8.950 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

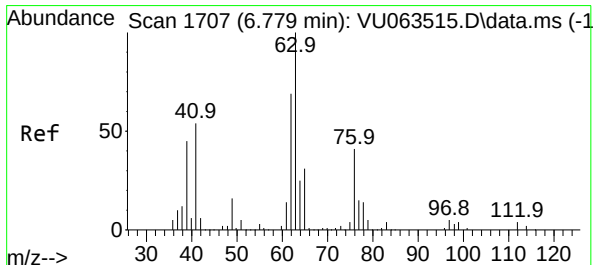
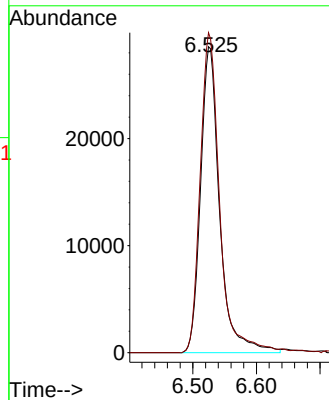
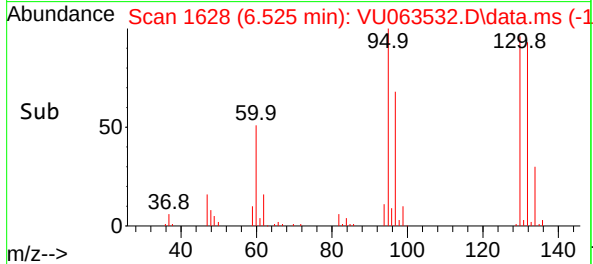
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion:130 Resp: 5955
Ion Ratio Lower Upper
130 100
95 104.6 80.3 120.5

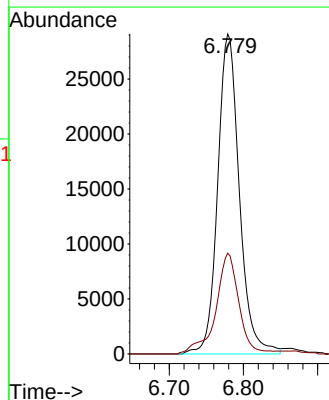
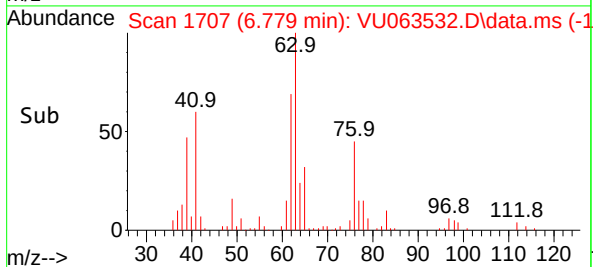
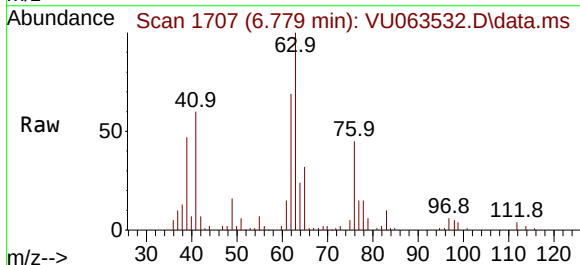
Manual Integrations
APPROVED

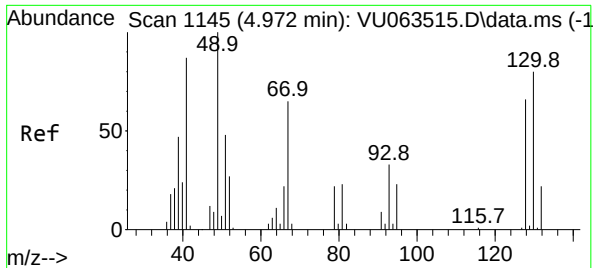
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#38
1,2-Dichloropropane
Concen: 9.683 ug/l
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 63 Resp: 59104
Ion Ratio Lower Upper
63 100
65 31.1 24.6 36.8





#39

Methacrylonitrile

Concen: 9.375 ug/l

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 2264

Ion Ratio Lower Upper

41 100

67 80.3 62.7 94.1

39 54.6 43.1 64.7

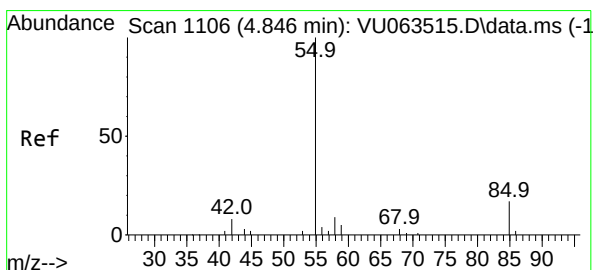
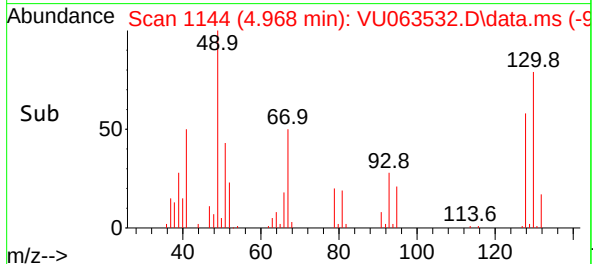
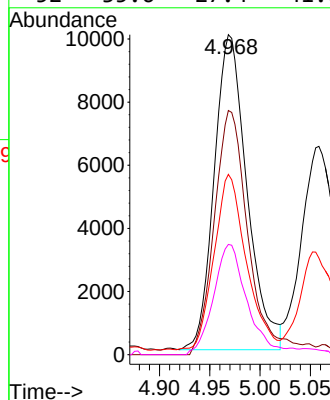
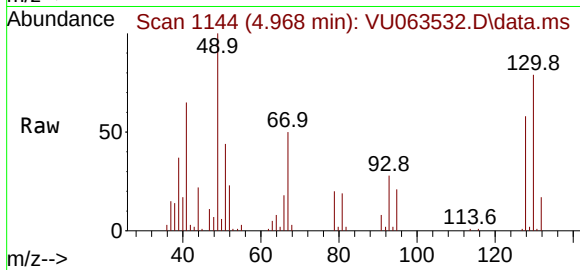
52 35.6 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 9.721 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Tgt Ion: 55 Resp: 34325

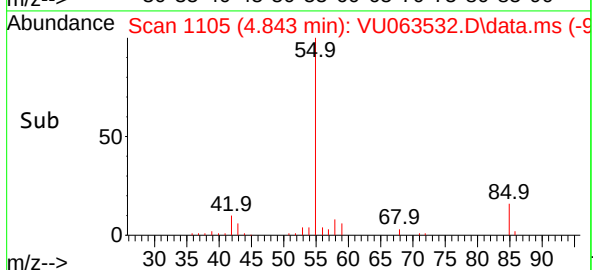
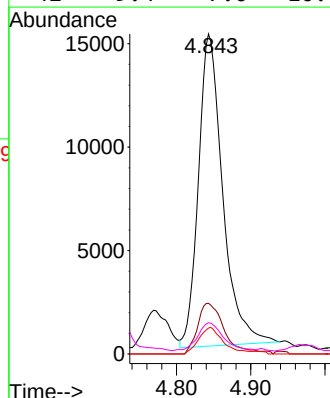
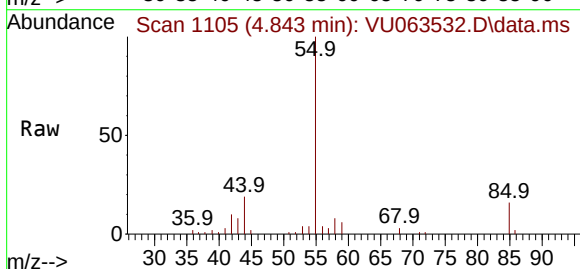
Ion Ratio Lower Upper

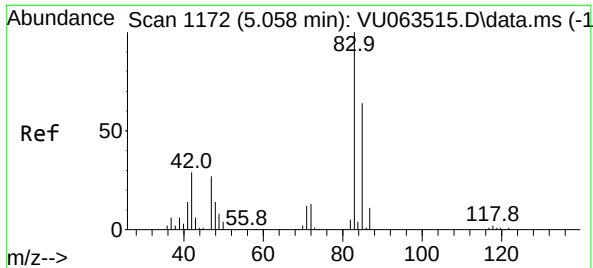
55 100

85 17.6 12.8 19.2

58 8.9 7.0 10.4

42 9.4 7.0 10.4





#41

Tetrahydrofuran

Concen: 18.783 ug/l

RT: 5.055 min Scan# 1172

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 2386

Ion Ratio Lower Upper

42 100

72 47.3 39.2 58.8

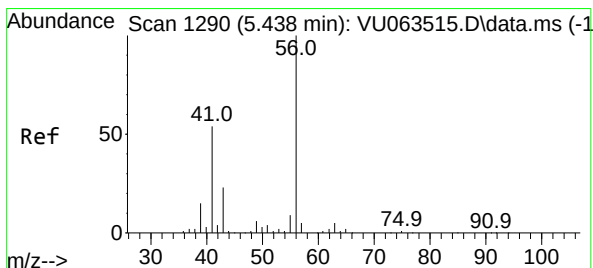
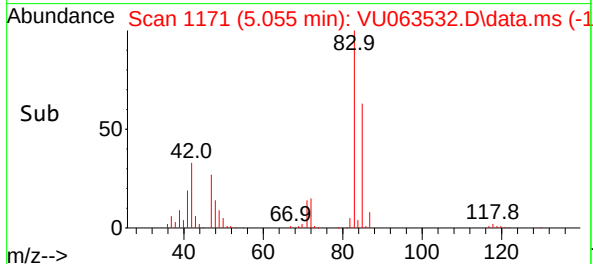
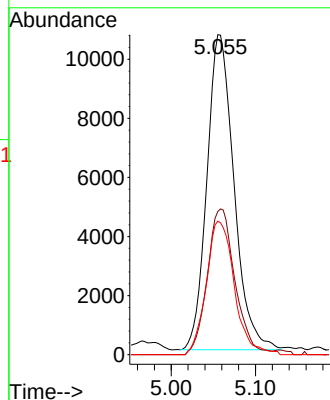
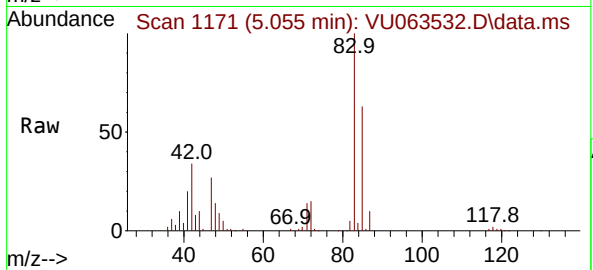
71 43.7 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 10.334 ug/l

RT: 5.438 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VU063532.D

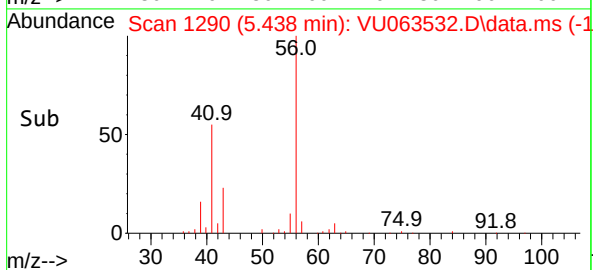
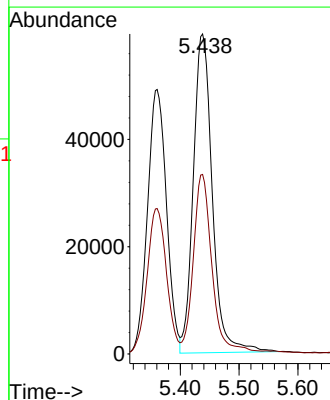
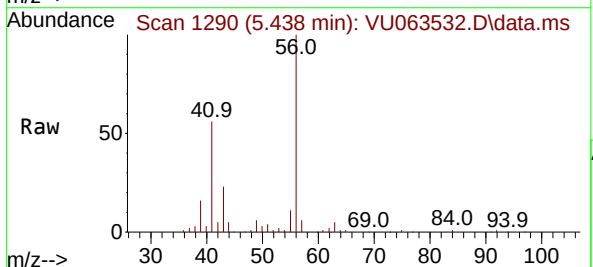
Acq: 18 Jul 2025 09:11

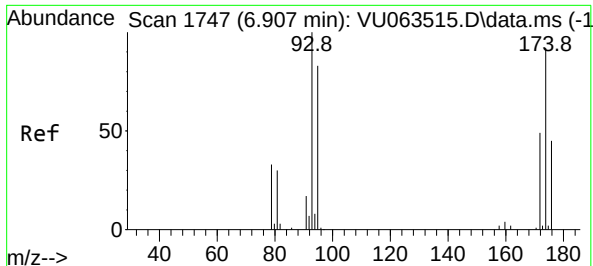
Tgt Ion: 56 Resp: 133351

Ion Ratio Lower Upper

56 100

41 53.4 26.7 80.0





#43

Dibromomethane

Concen: 9.911 ug/l

RT: 6.904 min Scan# 1746

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 93 Resp: 3133

Ion Ratio Lower Upper

93 100

95 84.9 67.9 101.9

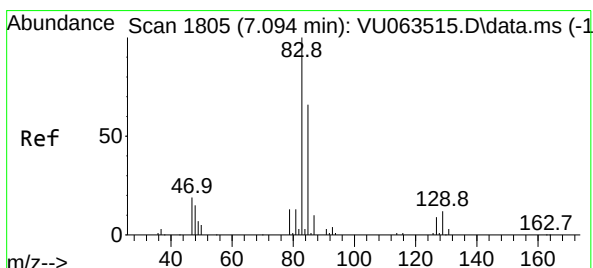
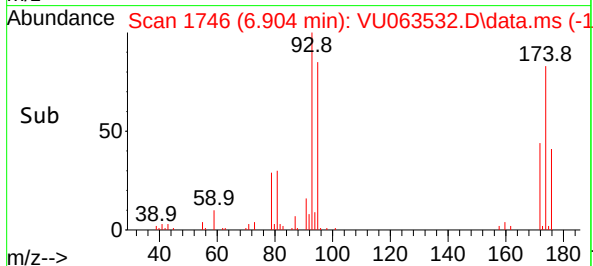
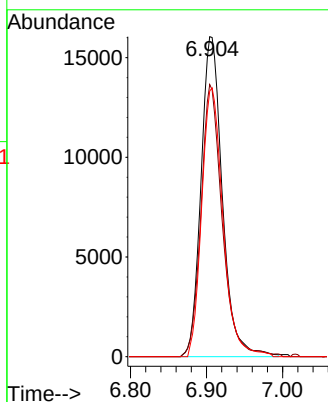
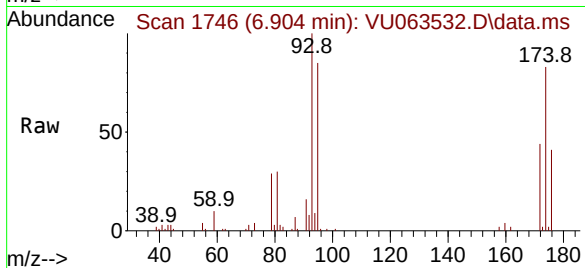
174 83.8 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#44

Bromodichloromethane

Concen: 9.806 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

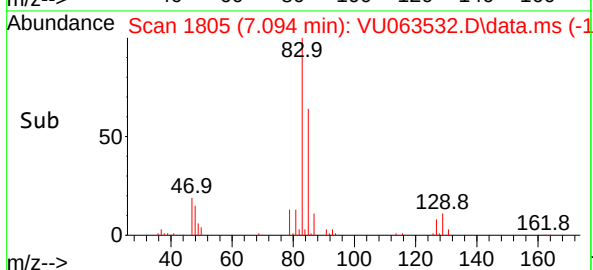
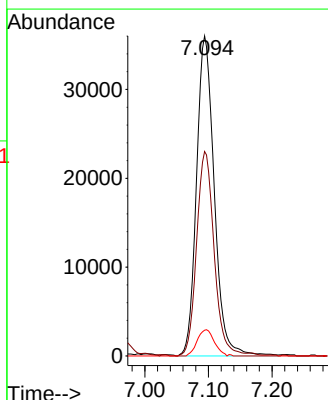
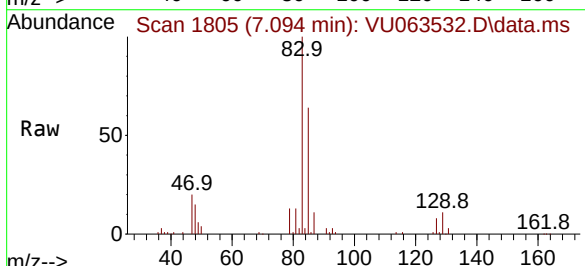
Tgt Ion: 83 Resp: 69921

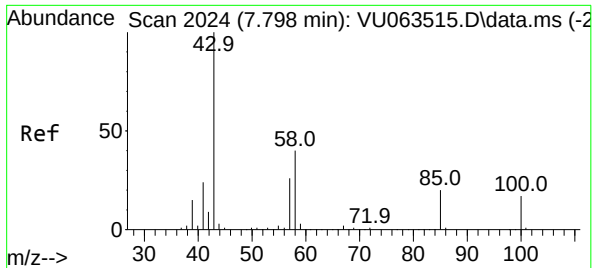
Ion Ratio Lower Upper

83 100

85 63.9 52.7 79.1

127 9.0 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 52.342 ug/l

RT: 7.795 min Scan# 2024

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 17056

Ion Ratio Lower Upper

43 100

58 40.0 20.0 60.0

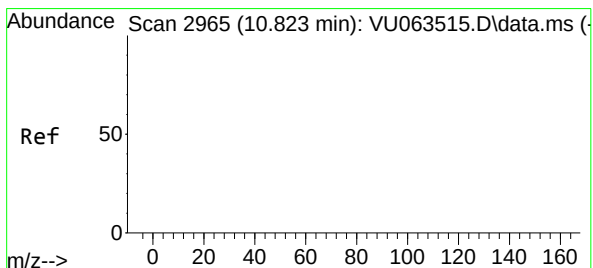
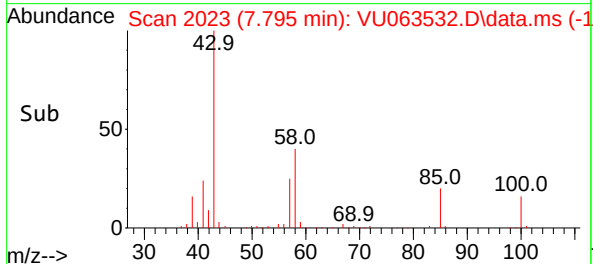
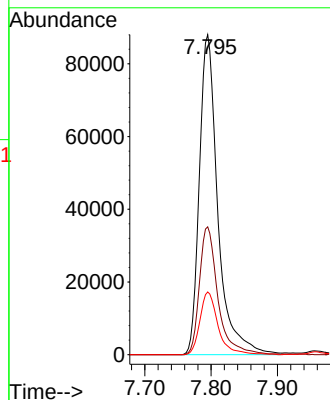
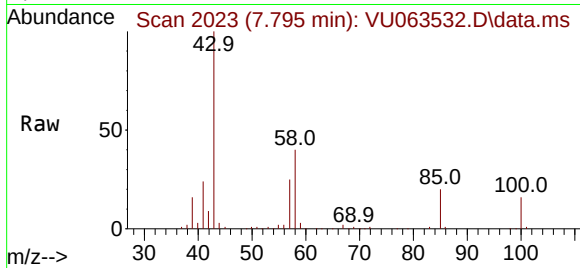
85 19.3 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#46

t-1,4-Dichloro-2-butene

Concen: 19.823 ug/l m

RT: 10.820 min Scan# 2964

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Tgt Ion: 75 Resp: 24249

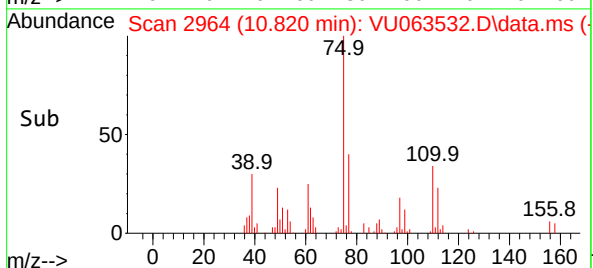
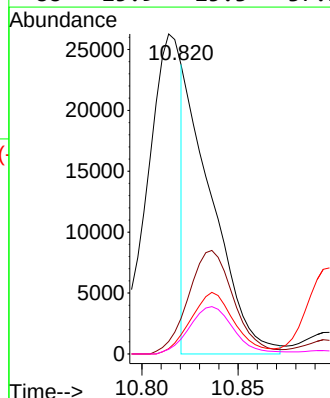
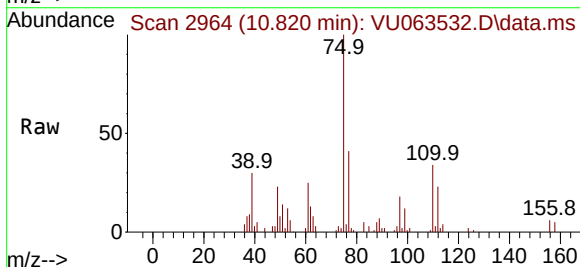
Ion Ratio Lower Upper

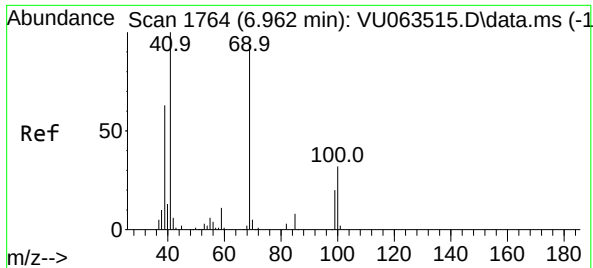
75 100

53 57.7 48.4 72.6

89 33.1 30.6 45.8

88 25.9 25.3 37.9





#47

Methyl methacrylate

Concen: 20.535 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 54529

Ion Ratio Lower Upper

69 100

41 109.1 0.0 224.0

39 66.6 55.3 82.9

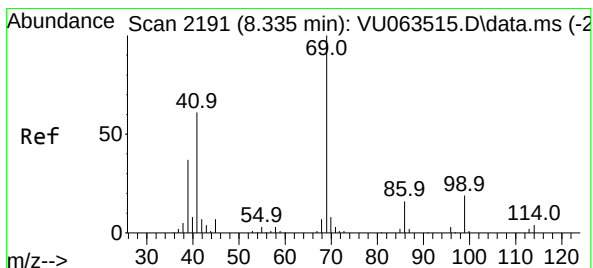
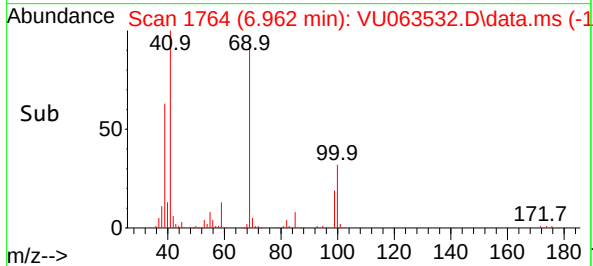
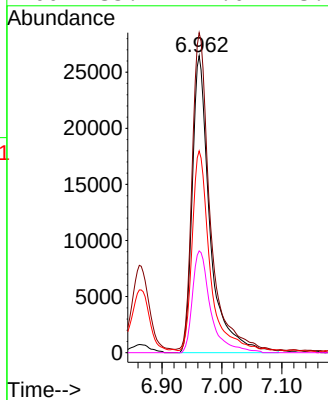
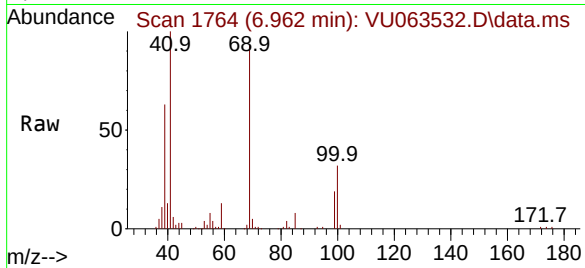
100 35.2 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#48

Ethyl methacrylate

Concen: 10.607 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.003 min

Lab File: VU063532.D

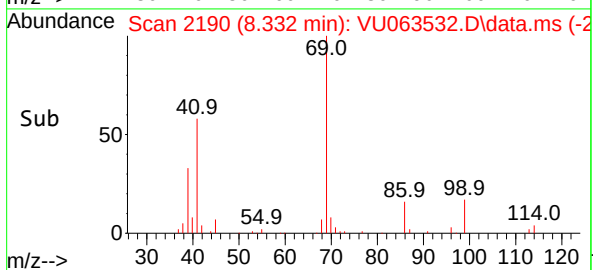
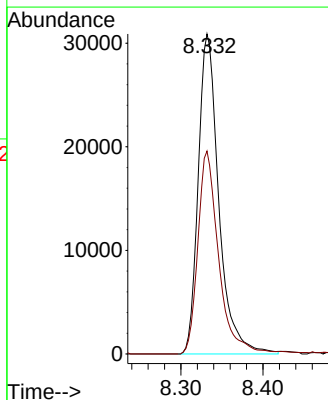
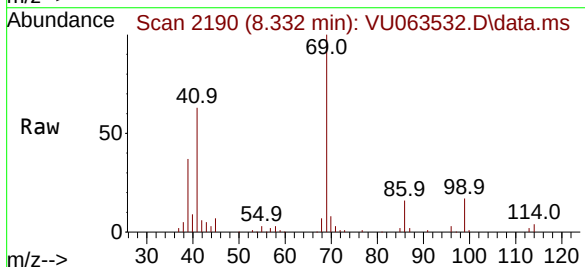
Acq: 18 Jul 2025 09:11

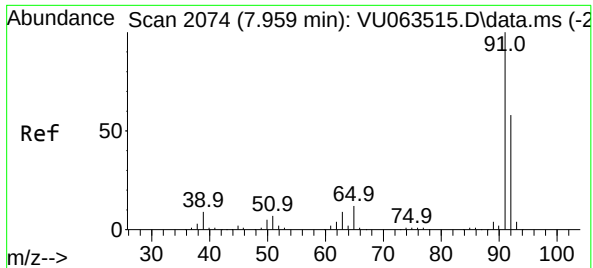
Tgt Ion: 69 Resp: 53751

Ion Ratio Lower Upper

69 100

41 64.1 30.8 92.4





#49

Toluene

Concen: 10.235 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDC010

Tgt Ion: 92 Resp: 145734

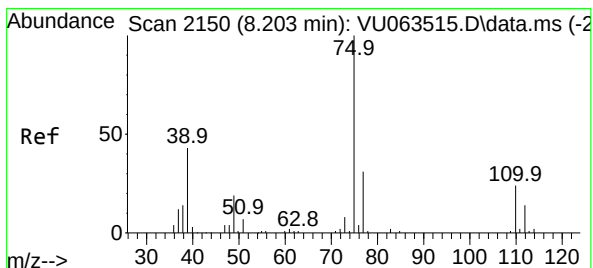
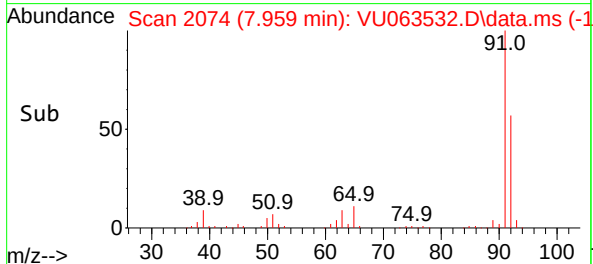
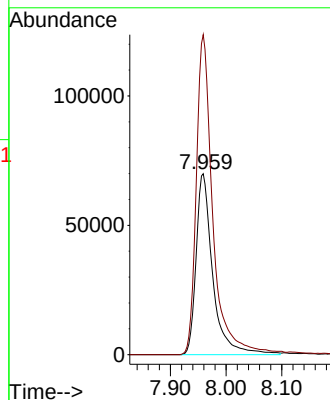
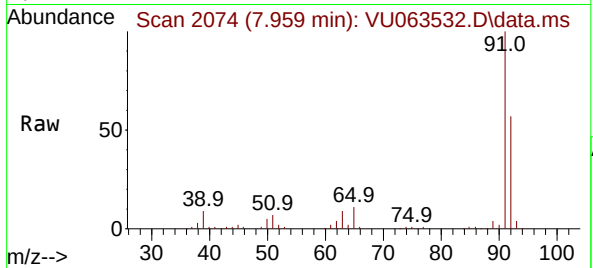
Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#50

t-1,3-Dichloropropene

Concen: 10.291 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063532.D

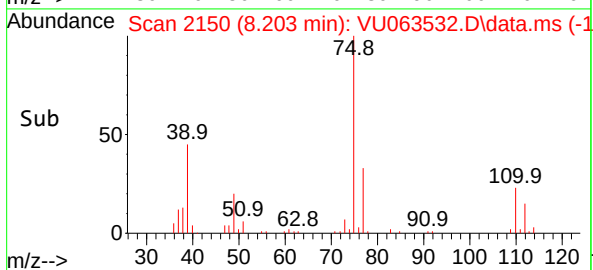
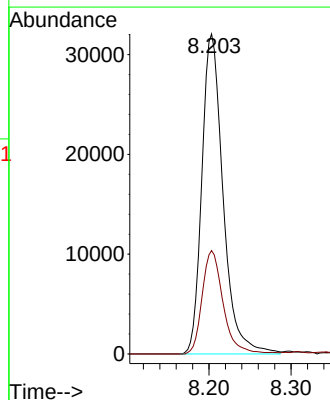
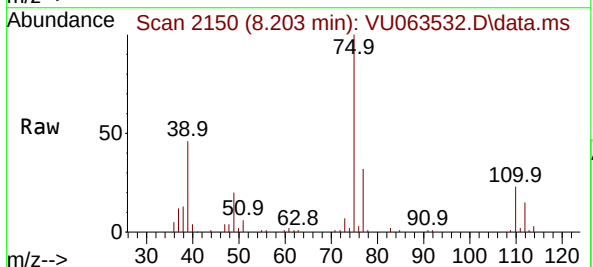
Acq: 18 Jul 2025 09:11

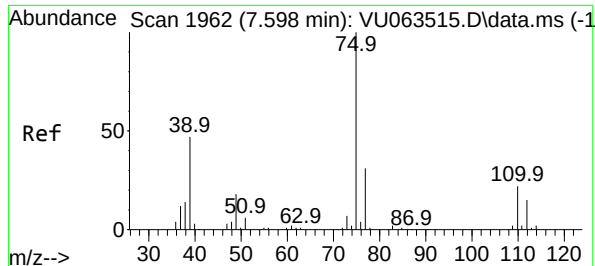
Tgt Ion: 75 Resp: 57571

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3





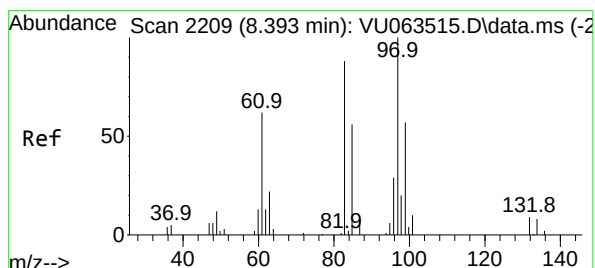
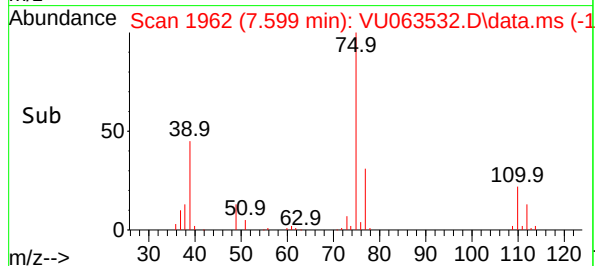
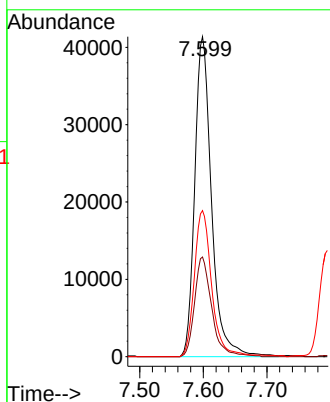
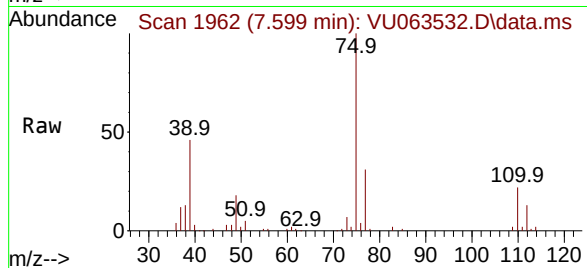
#51
cis-1,3-Dichloropropene
Concen: 10.099 ug/l
RT: 7.599 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 7583
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 45.4 37.8 56.6

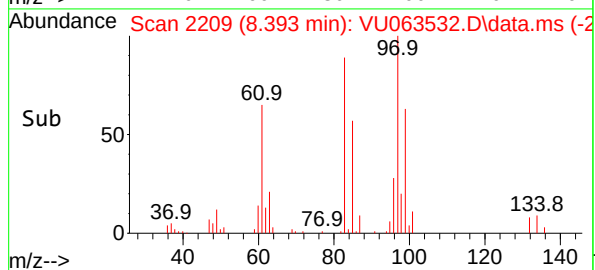
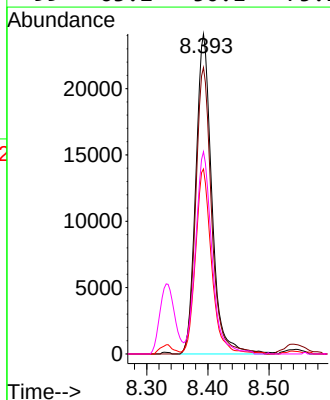
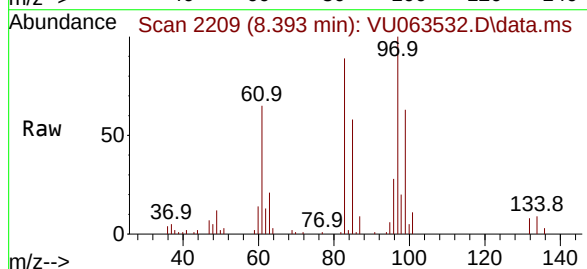
Manual Integrations
APPROVED

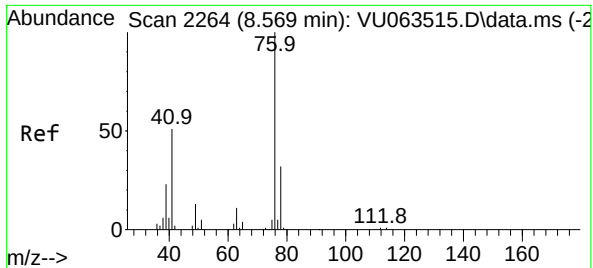
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#52
1,1,2-Trichloroethane
Concen: 10.327 ug/l
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion: 97 Resp: 43960
Ion Ratio Lower Upper
97 100
83 89.5 70.2 105.2
85 57.8 45.2 67.8
99 63.2 50.1 75.1





#53

1,3-Dichloropropane

Concen: 10.333 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 7593

Ion Ratio Lower Upper

76 100

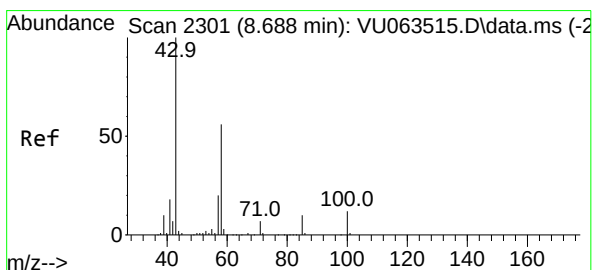
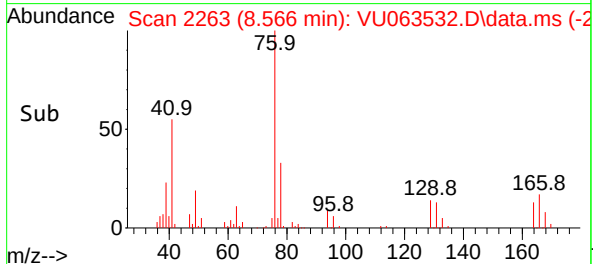
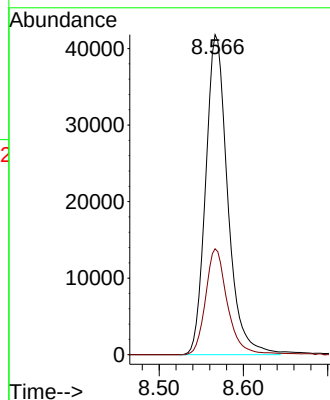
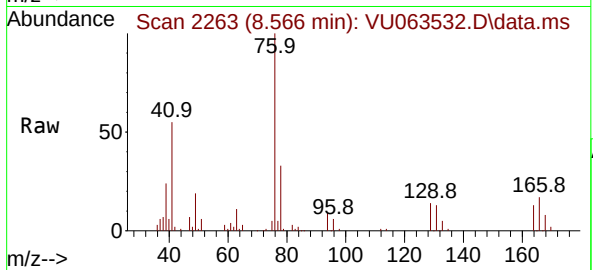
78 33.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#54

2-Hexanone

Concen: 61.353 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

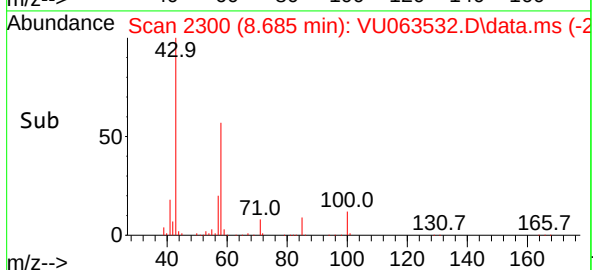
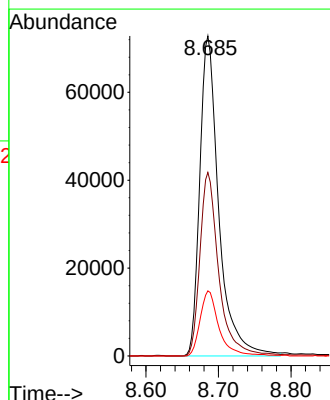
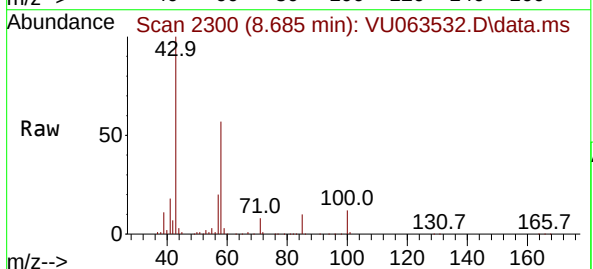
Tgt Ion: 43 Resp: 132800

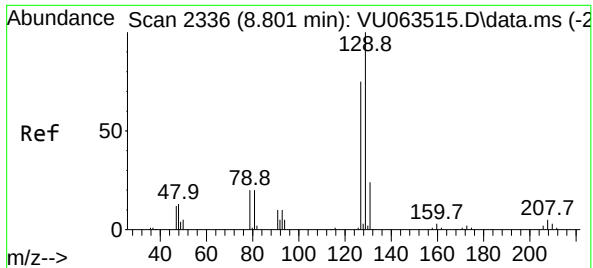
Ion Ratio Lower Upper

43 100

58 56.9 34.8 74.8

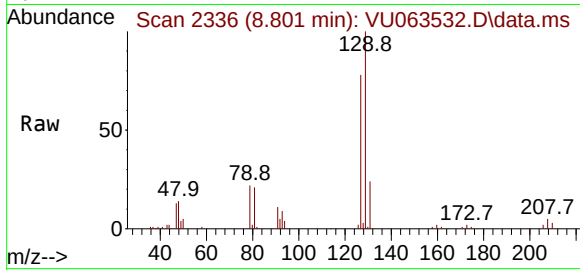
57 20.2 0.0 39.5





#55
Dibromochloromethane
Concen: 10.403 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

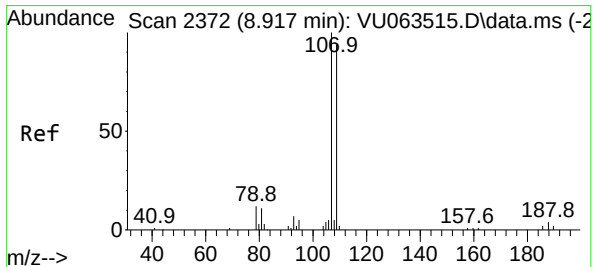
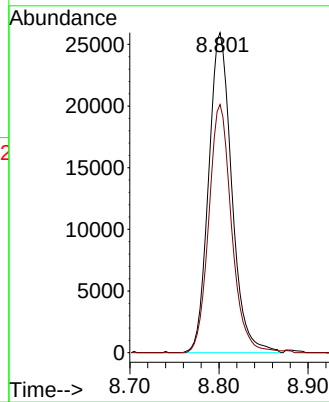
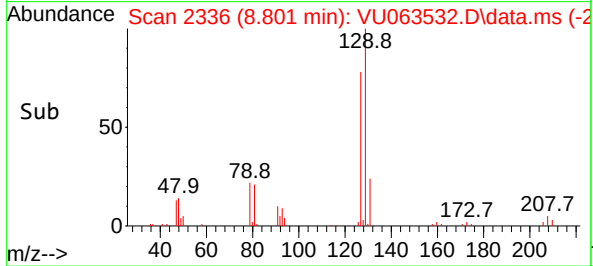
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



Tgt Ion:129 Resp: 46798
Ion Ratio Lower Upper
129 100
127 76.3 60.1 90.1

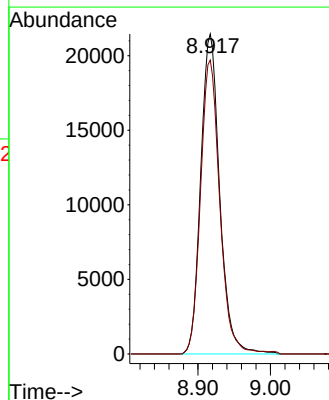
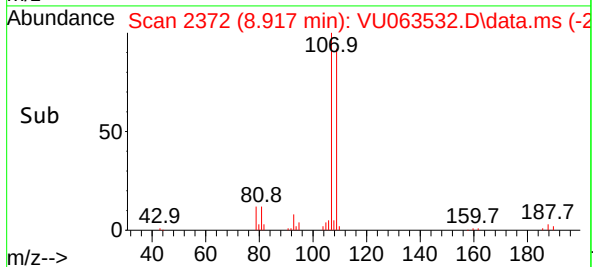
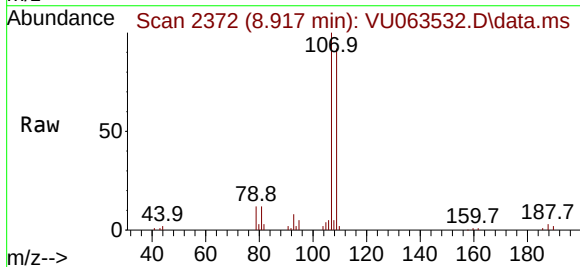
Manual Integrations
APPROVED

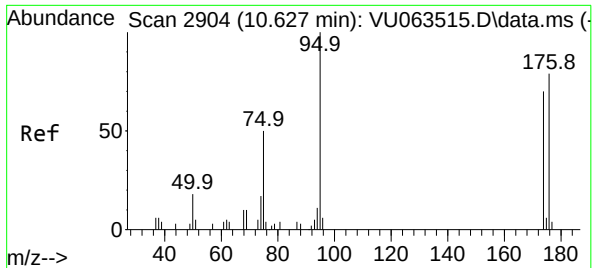
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#56
1,2-Dibromoethane
Concen: 10.244 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

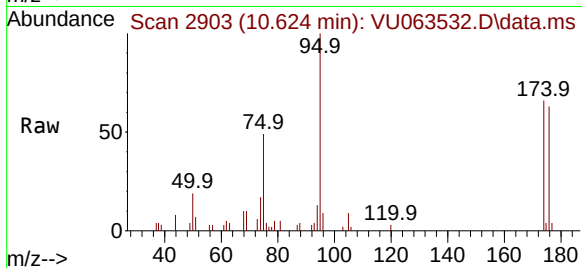
Tgt Ion:107 Resp: 39027
Ion Ratio Lower Upper
107 100
109 92.6 0.0 186.4





#57
4-Bromofluorobenzene
Concen: 1.121 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

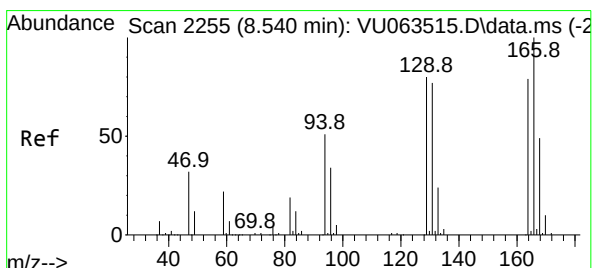
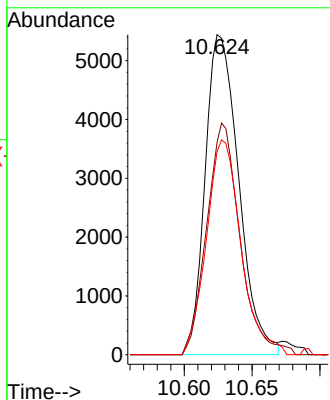
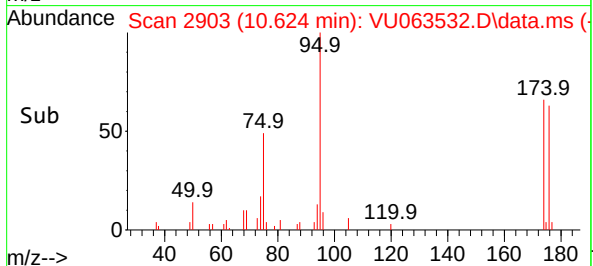
Instrument : MSVOA_U
ClientSampleId : VSTDC010



Tgt Ion: 95 Resp: 9400
Ion Ratio Lower Upper
95 100
174 71.5 59.8 89.8
176 68.7 61.8 92.8

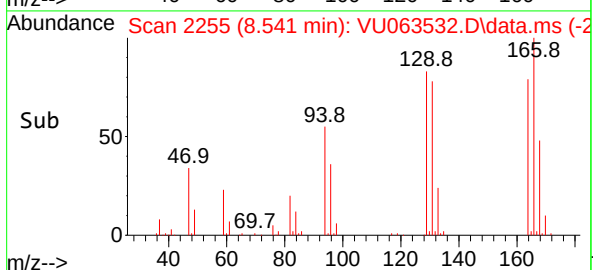
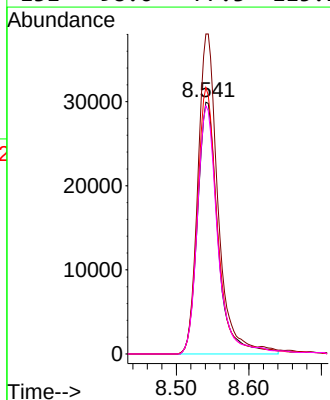
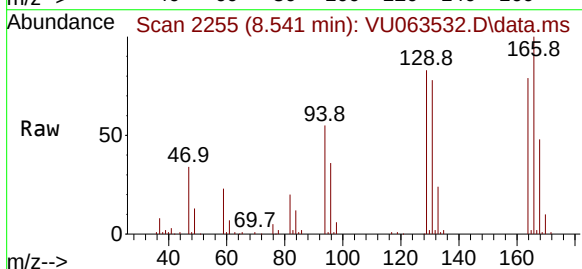
Manual Integrations
APPROVED

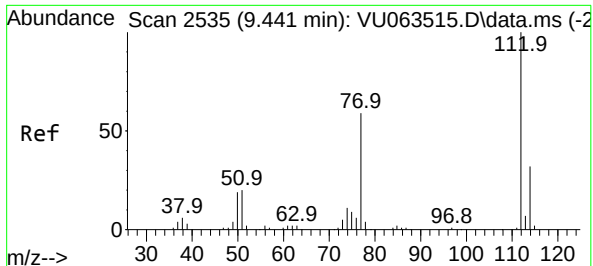
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#58
Tetrachloroethene
Concen: 9.565 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion:164 Resp: 58247
Ion Ratio Lower Upper
164 100
166 127.2 100.7 151.1
129 105.9 80.6 120.8
131 98.6 77.3 115.9





#59

Chlorobenzene

Concen: 10.249 ug/l

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:112 Resp: 16761

Ion Ratio Lower Upper

112 100

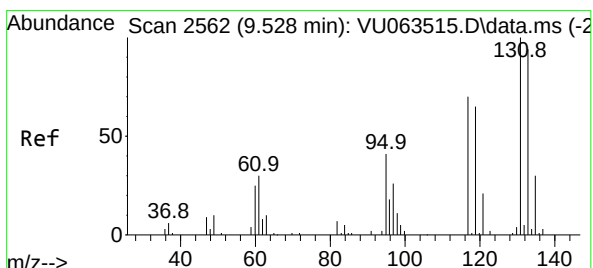
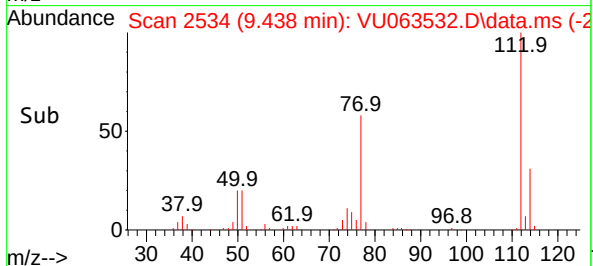
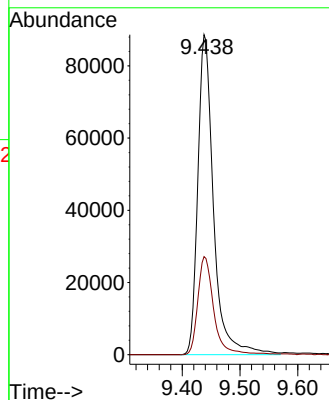
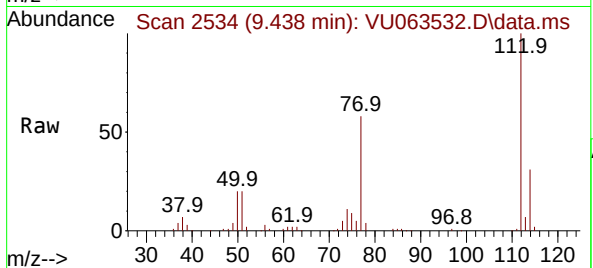
114 30.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.060 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

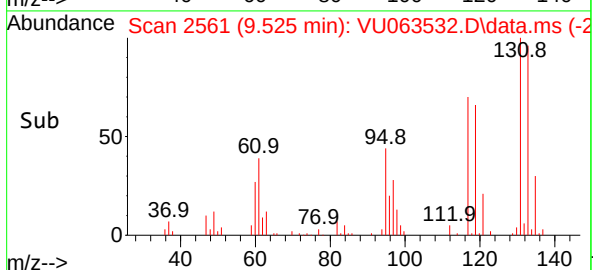
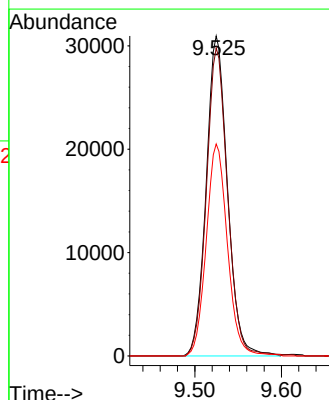
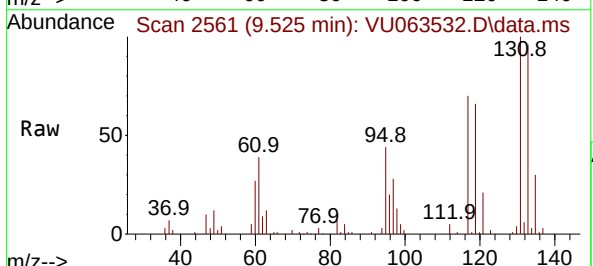
Tgt Ion:131 Resp: 52907

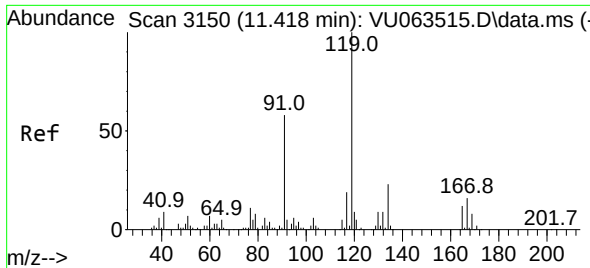
Ion Ratio Lower Upper

131 100

133 95.9 74.7 112.1

119 65.9 53.0 79.4





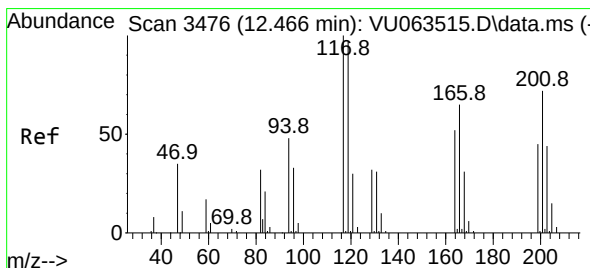
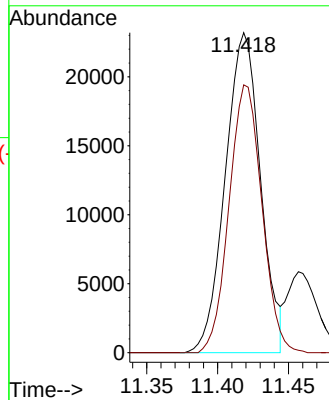
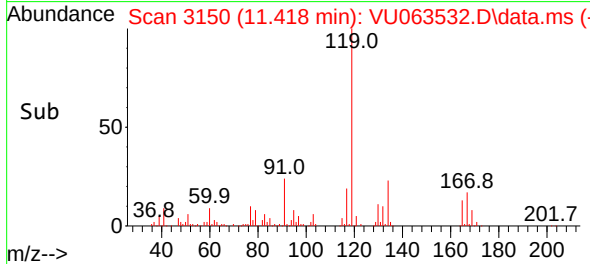
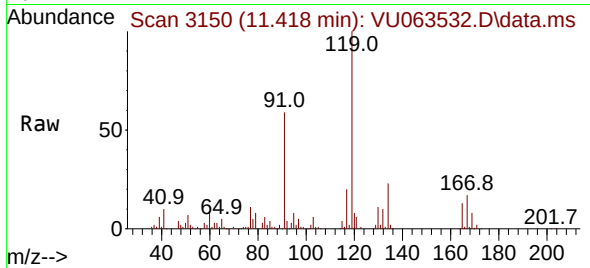
#61
Pentachloroethane
Concen: 10.796 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 40119
Ion Ratio Lower Upper
117 100
167 78.1 65.0 97.6

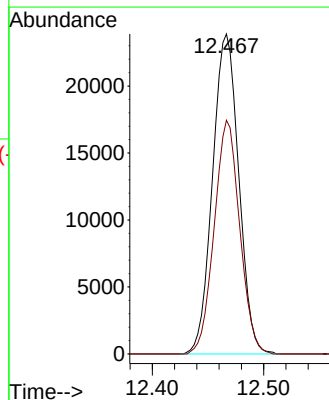
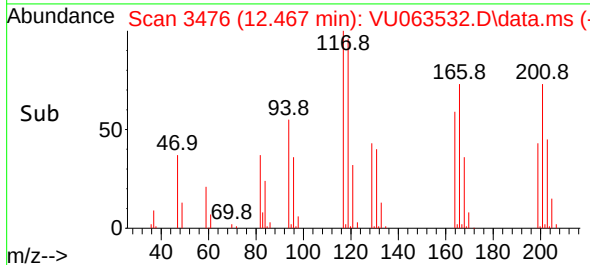
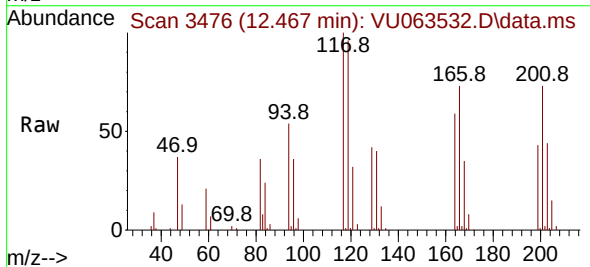
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APPROVED

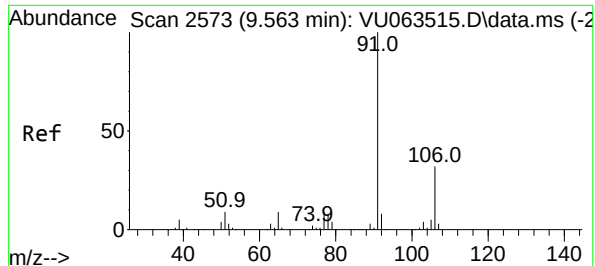
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#62
Hexachloroethane
Concen: 10.606 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion:117 Resp: 39030
Ion Ratio Lower Upper
117 100
201 71.1 57.4 86.0





#63

Ethyl Benzene

Concen: 10.281 ug/l

RT: 9.560 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 289339

Ion Ratio Lower Upper

91 100

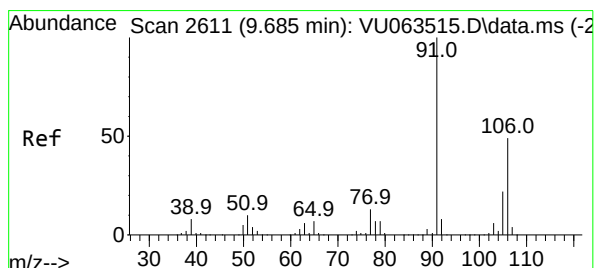
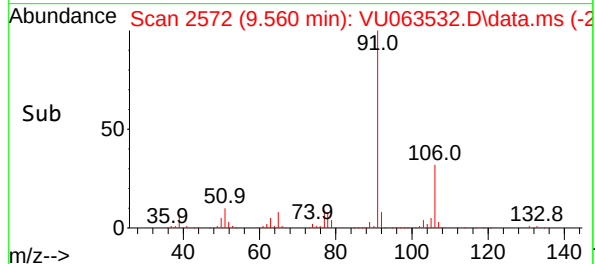
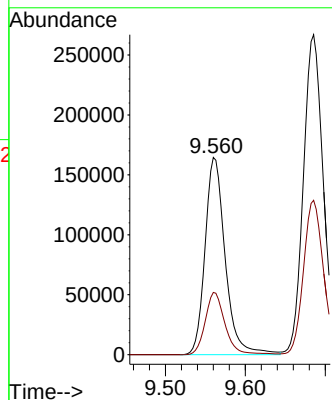
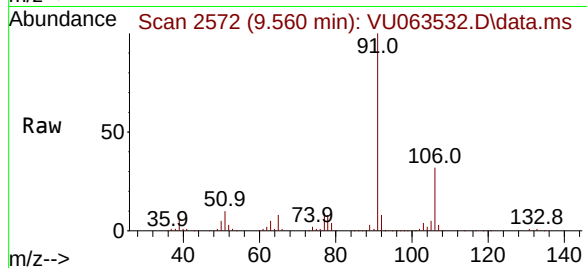
106 31.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#64

m/p-Xylenes

Concen: 20.884 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063532.D

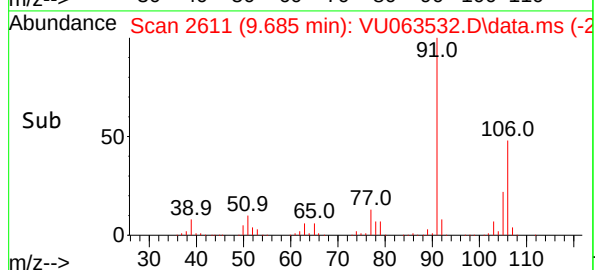
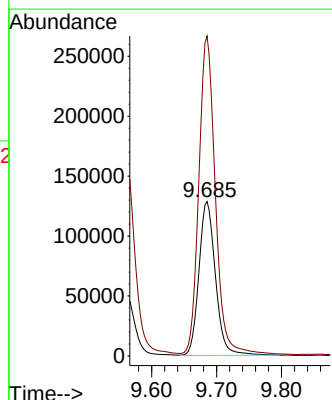
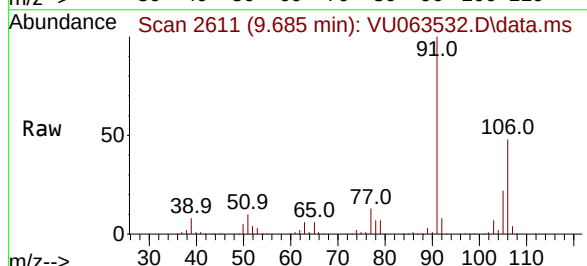
Acq: 18 Jul 2025 09:11

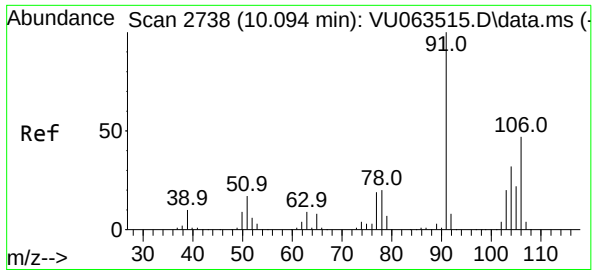
Tgt Ion:106 Resp: 228441

Ion Ratio Lower Upper

106 100

91 207.6 163.6 245.4





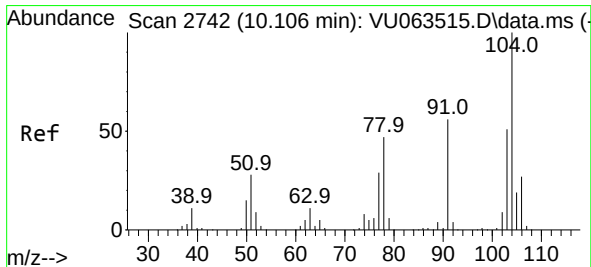
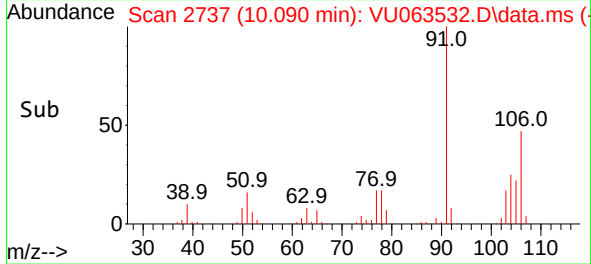
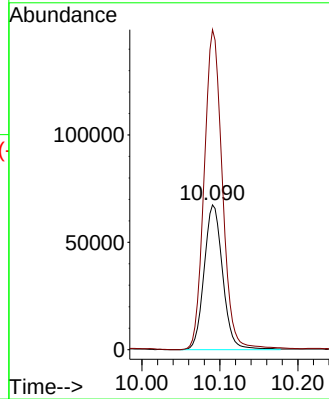
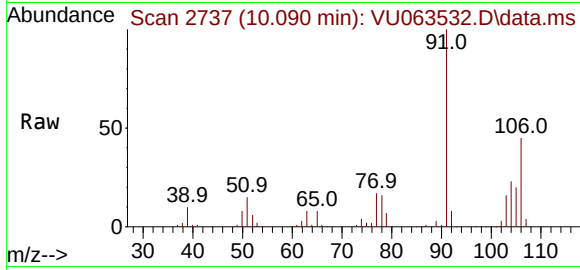
#65
o-Xylene
Concen: 10.626 ug/l
RT: 10.090 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:106 Resp: 111689
Ion Ratio Lower Upper
106 100
91 217.6 108.1 324.4

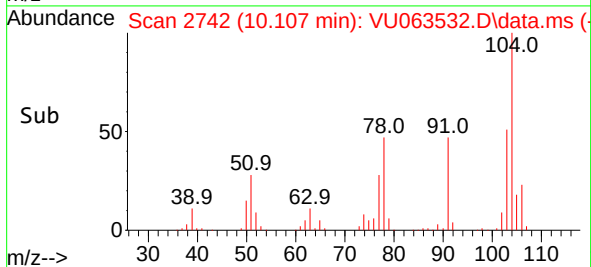
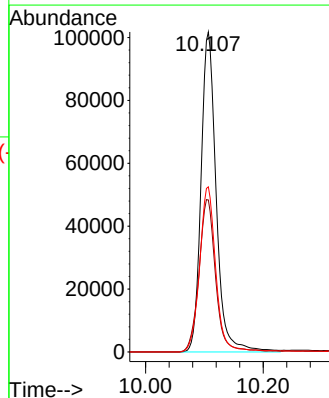
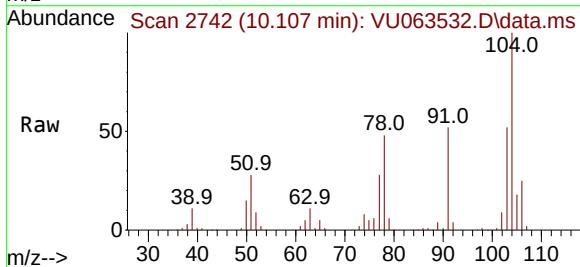
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APPROVED

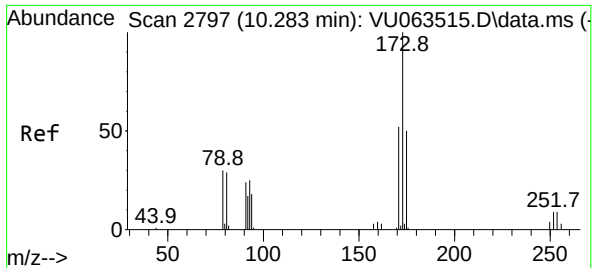
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#66
Styrene
Concen: 10.877 ug/l
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

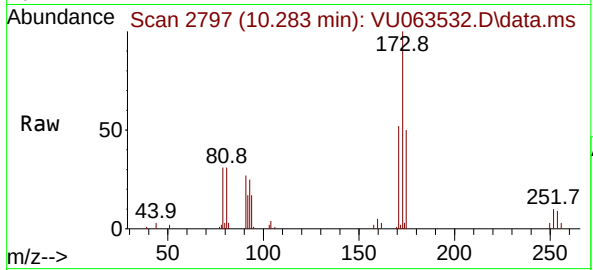
Tgt Ion:104 Resp: 182214
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 55.2 43.6 65.4





#67
Bromoform
Concen: 9.853 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

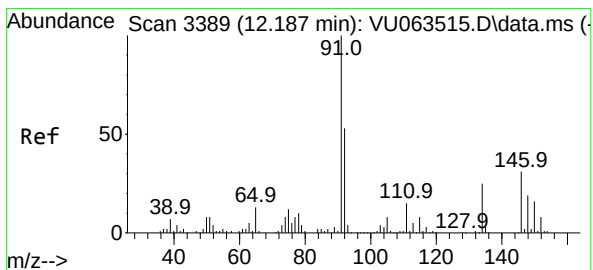
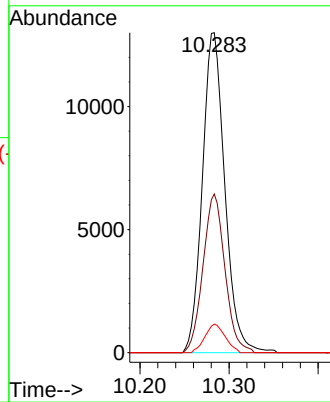
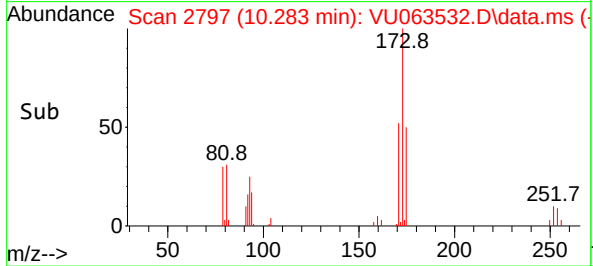
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



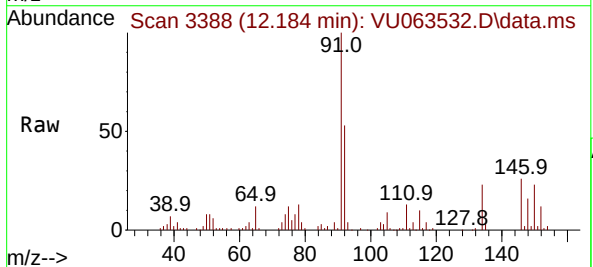
Tgt Ion:173 Resp: 22764
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.4
254 8.0 6.5 9.7

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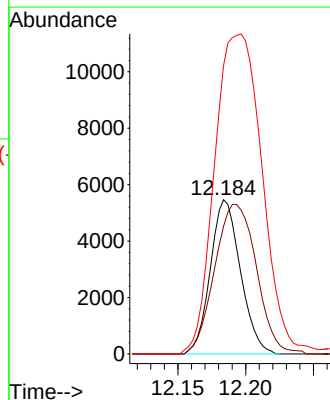
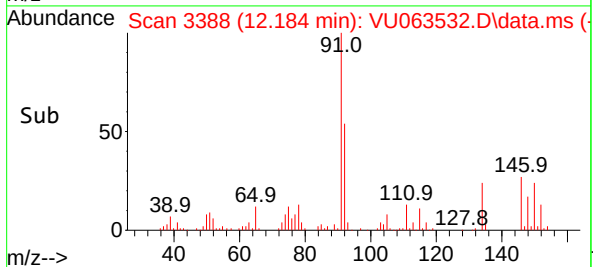
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

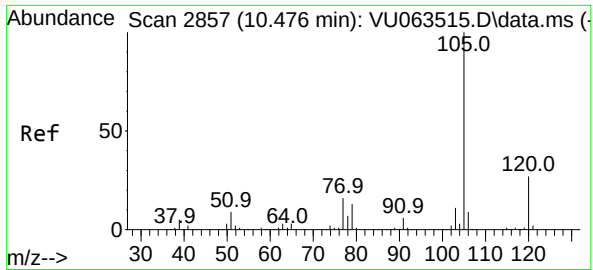


#68
1,2-Dichlorobenzene-d4
Concen: 1.089 ug/l
RT: 12.184 min Scan# 3388
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion:152 Resp: 8443
Ion Ratio Lower Upper
152 100
115 134.3 0.0 262.2
150 327.1 0.0 651.2





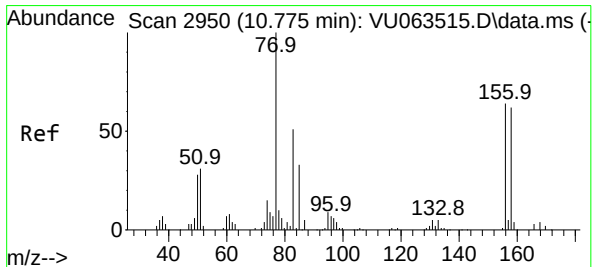
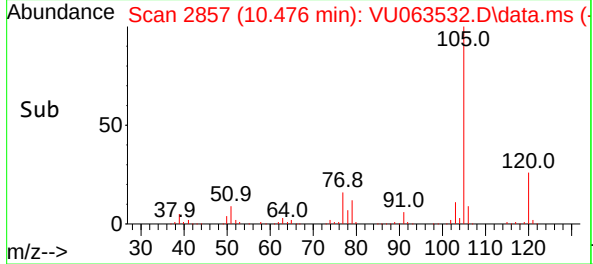
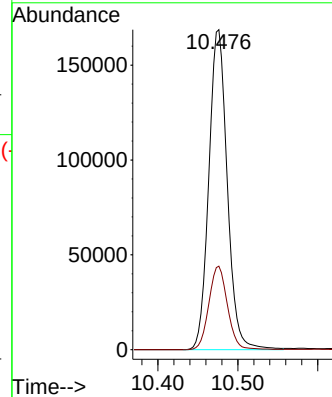
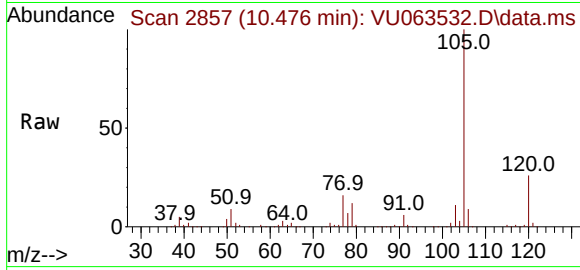
#69
Isopropylbenzene
Concen: 10.673 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 27121
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

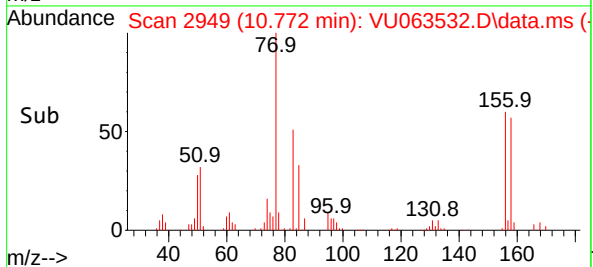
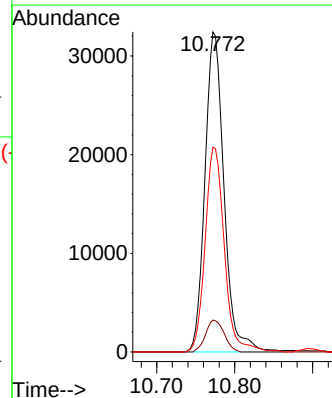
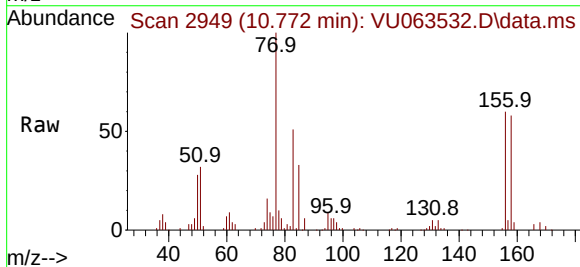
Manual Integrations
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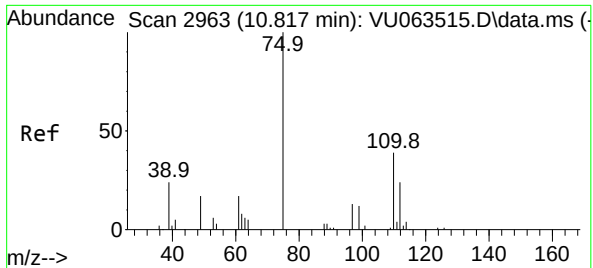
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 10.657 ug/l
RT: 10.772 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

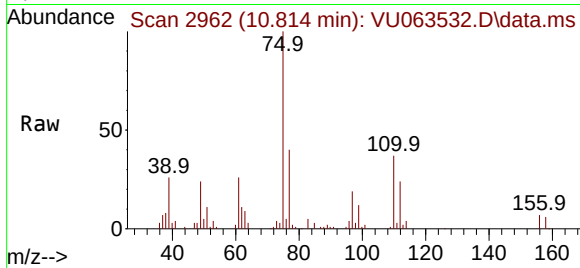
Tgt Ion: 83 Resp: 55200
Ion Ratio Lower Upper
83 100
131 9.7 8.4 12.6
85 64.4 51.9 77.9





#71
1,2,3-Trichloropropane
Concen: 10.198 ug/l m
RT: 10.814 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

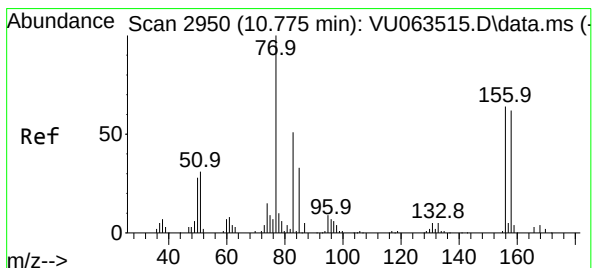
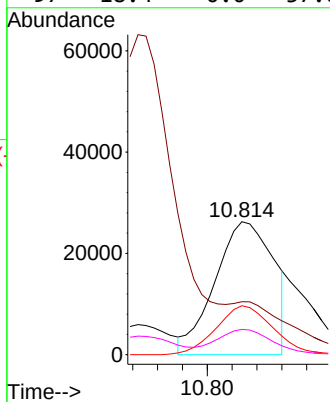
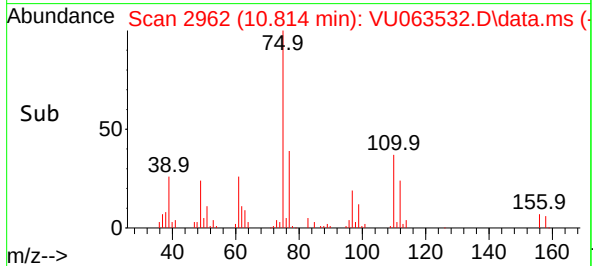
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



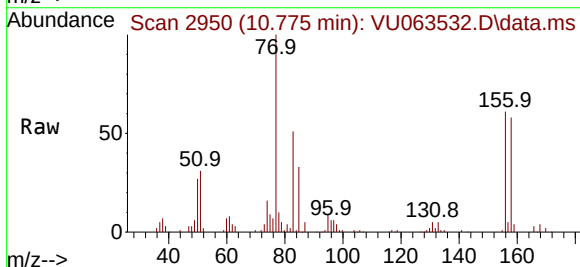
Tgt Ion: 75 Resp: 4290
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 36.0 0.0 73.2
97 18.4 0.0 37.6

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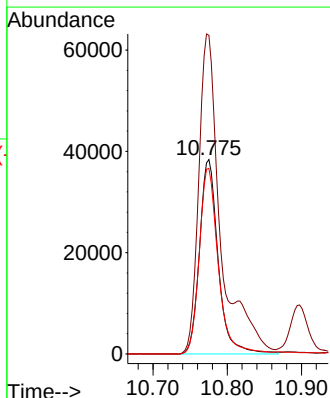
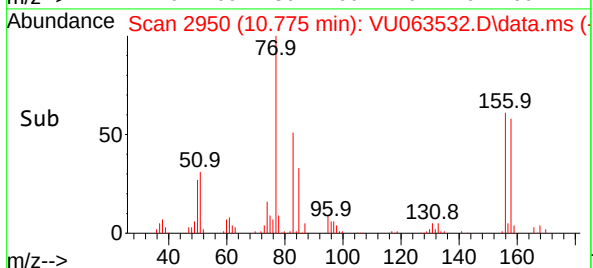
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

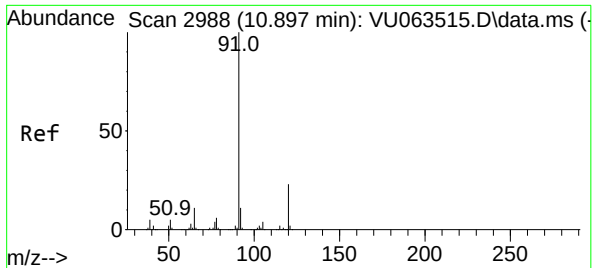


#72
Bromobenzene
Concen: 10.241 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion:156 Resp: 67162
Ion Ratio Lower Upper
156 100
77 166.6 0.0 315.2
158 96.7 0.0 195.4





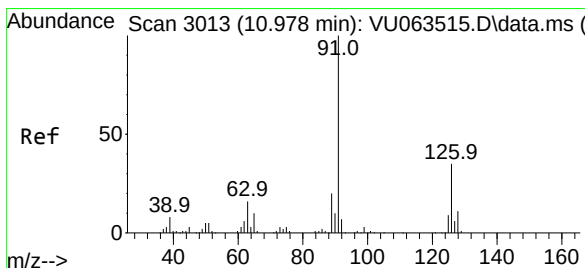
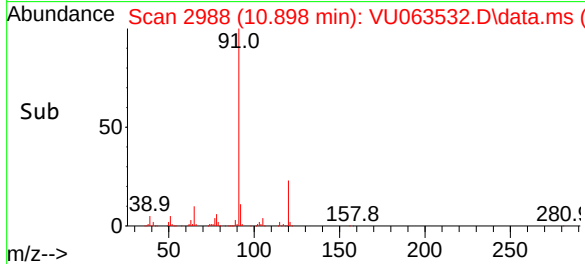
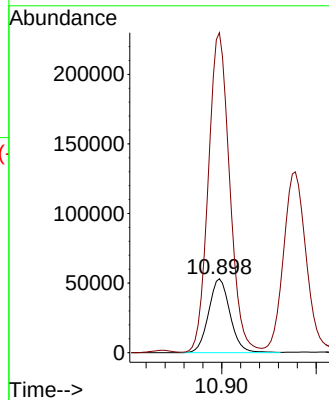
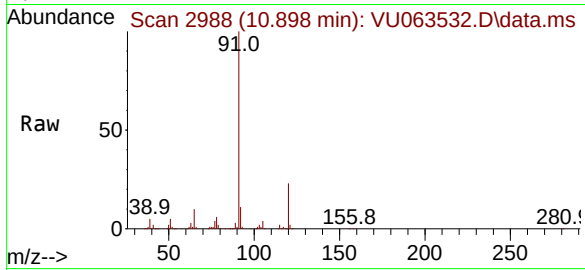
#73
n-propylbenzene
Concen: 10.911 ug/l
RT: 10.898 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:120 Resp: 8346
Ion Ratio Lower Upper
120 100
91 431.5 343.1 514.7

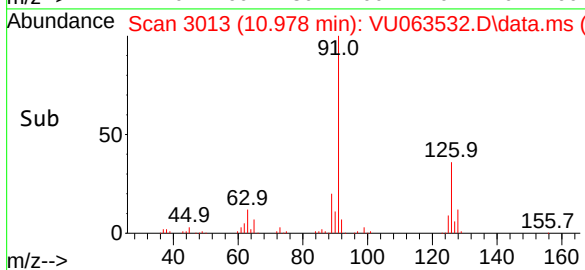
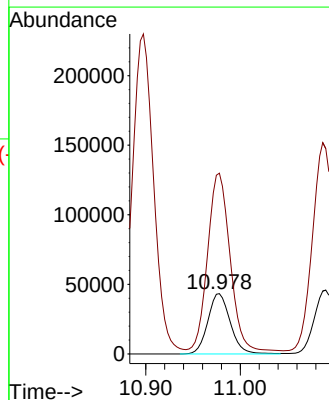
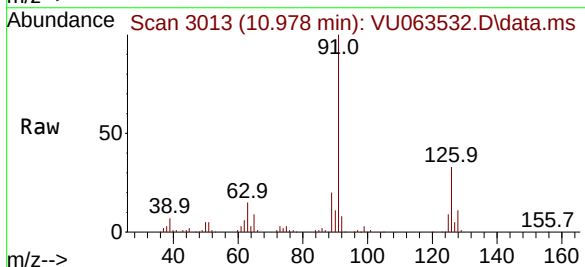
Manual Integrations
APPROVED

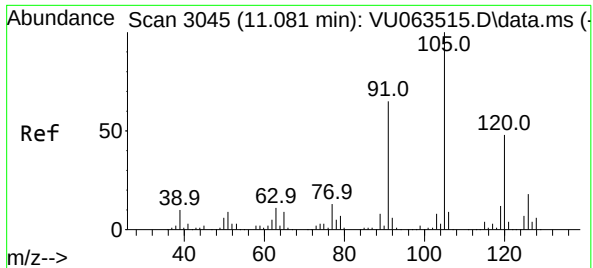
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#74
2-Chlorotoluene
Concen: 10.538 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Tgt Ion:126 Resp: 71241
Ion Ratio Lower Upper
126 100
91 305.8 0.0 606.0





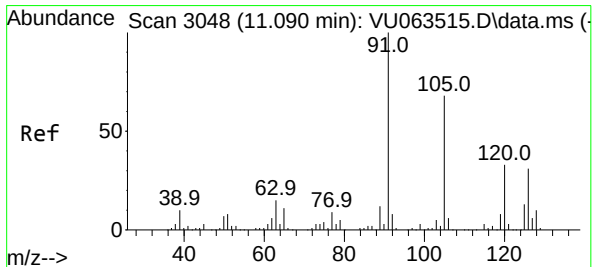
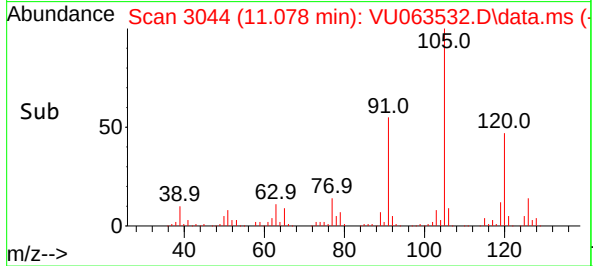
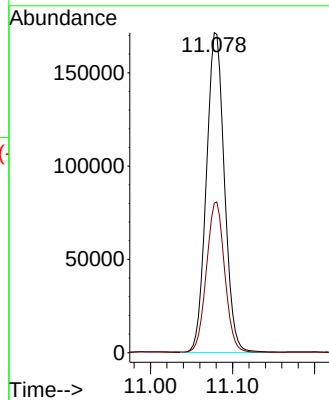
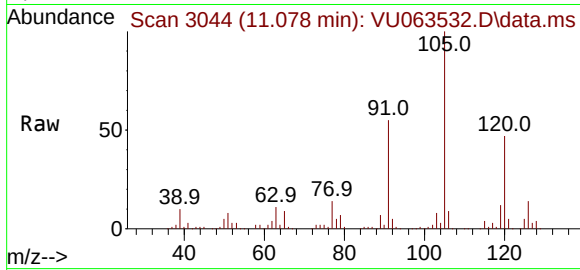
#75
1,3,5-Trimethylbenzene
Concen: 10.839 ug/l
RT: 11.078 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 26311
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.8

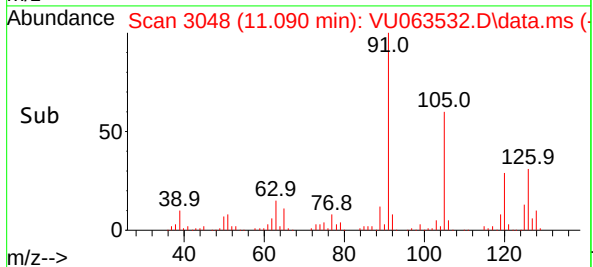
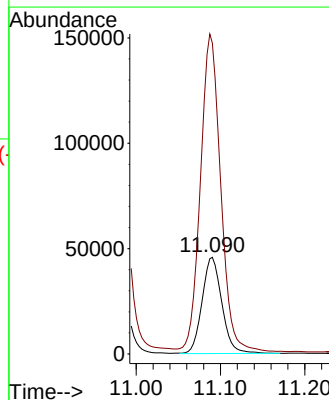
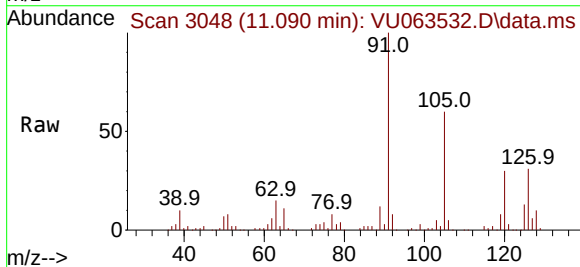
Manual Integrations
APPROVED

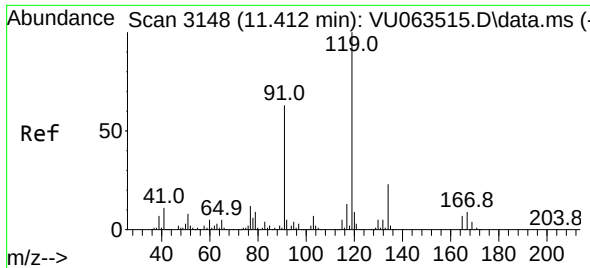
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#76
4-Chlorotoluene
Concen: 10.851 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

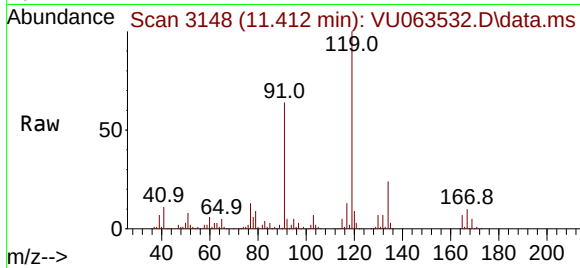
Tgt Ion:126 Resp: 74500
Ion Ratio Lower Upper
126 100
91 339.7 0.0 682.2





#77
tert-Butylbenzene
Concen: 10.723 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

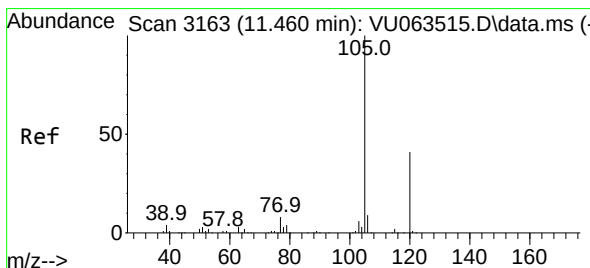
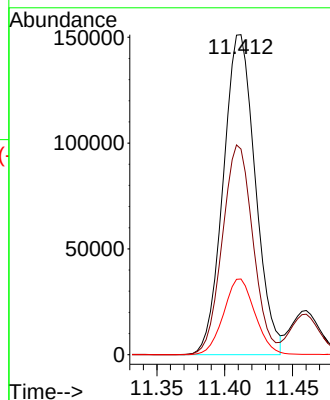
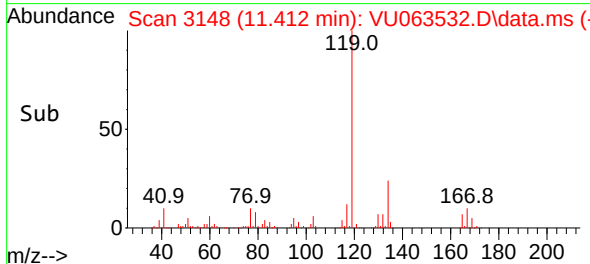
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



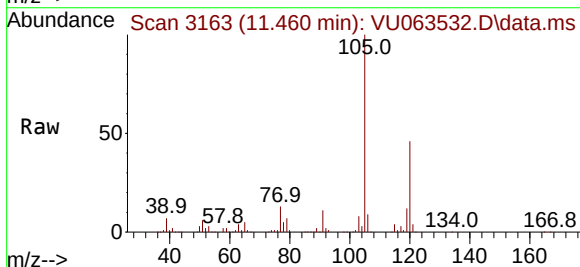
Tgt Ion:119 Resp: 248774
Ion Ratio Lower Upper
119 100
91 62.6 30.7 92.1
134 23.3 18.5 27.7

Manual Integrations
APPROVED

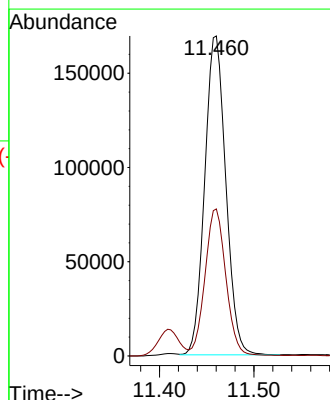
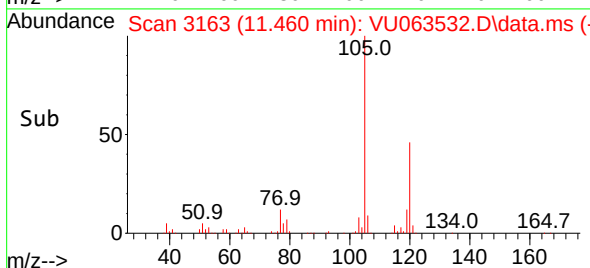
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

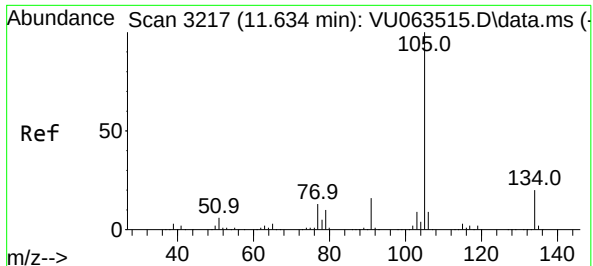


#78
1,2,4-Trimethylbenzene
Concen: 10.884 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion:105 Resp: 262116
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.0





#79

sec-Butylbenzene

Concen: 10.911 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 341350

Ion Ratio Lower Upper

105 100

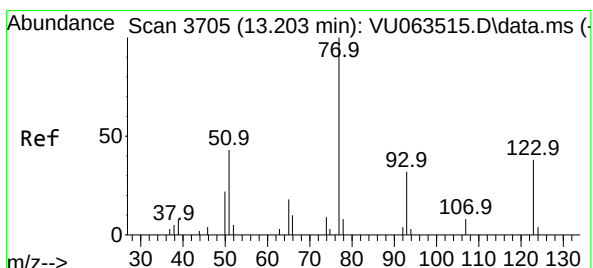
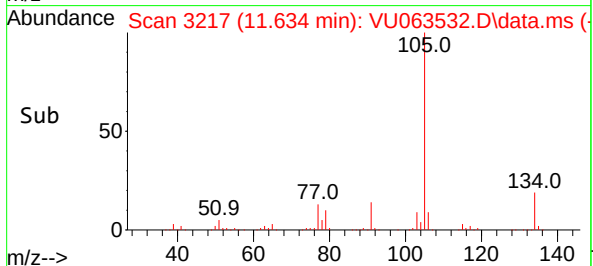
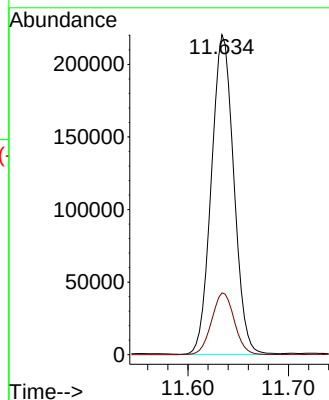
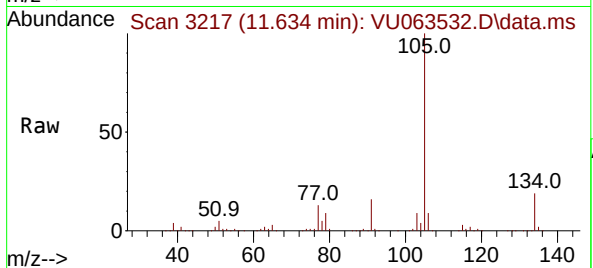
134 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#80

Nitrobenzene

Concen: 42.376 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

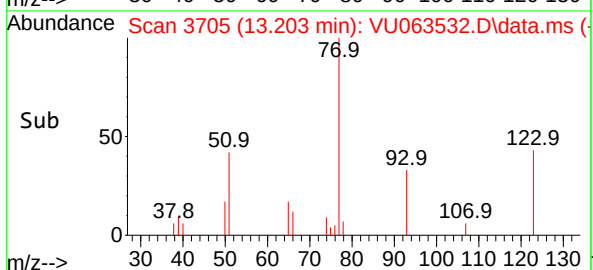
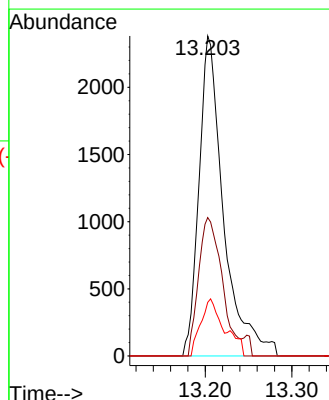
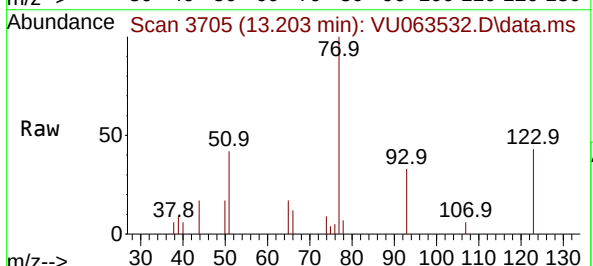
Tgt Ion: 77 Resp: 4689

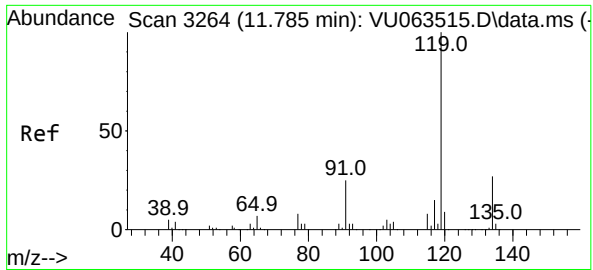
Ion Ratio Lower Upper

77 100

123 36.7 16.9 59.7

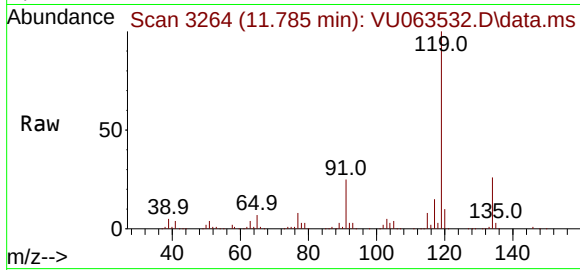
65 17.3 16.5 20.9





#81
p-Isopropyltoluene
Concen: 11.013 ug/l
RT: 11.785 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

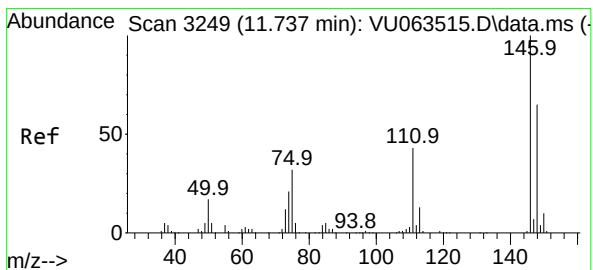
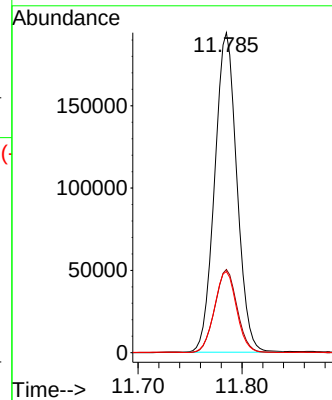
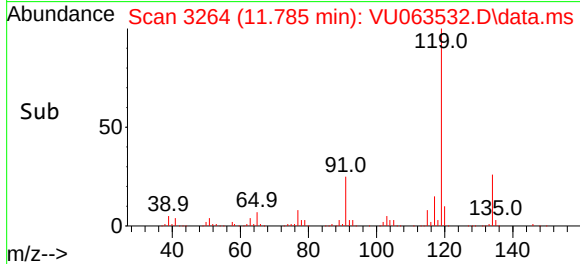
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



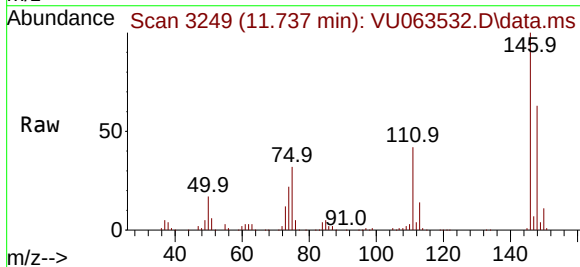
Tgt Ion:119 Resp: 28761
Ion Ratio Lower Upper
119 100
134 25.9 21.1 31.7
91 25.1 19.8 29.8

Manual Integrations
APPROVED

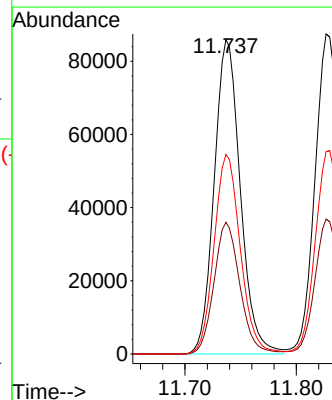
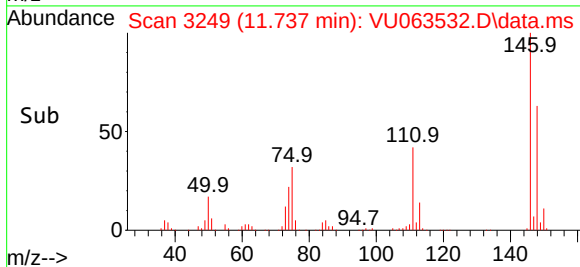
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

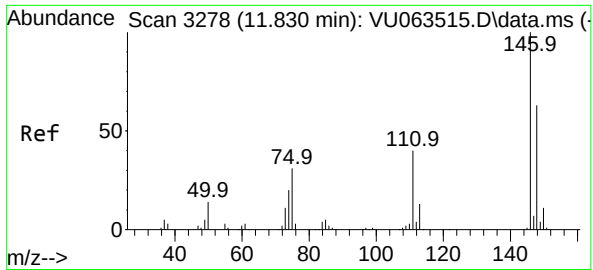


#82
1,3-Dichlorobenzene
Concen: 10.671 ug/l
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



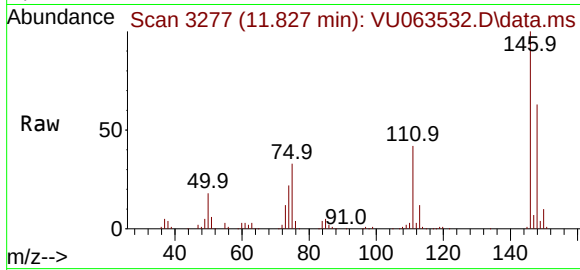
Tgt Ion:146 Resp: 140019
Ion Ratio Lower Upper
146 100
111 41.4 33.8 50.6
148 63.8 51.5 77.3





#83
1,4-Dichlorobenzene
Concen: 10.769 ug/l
RT: 11.827 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

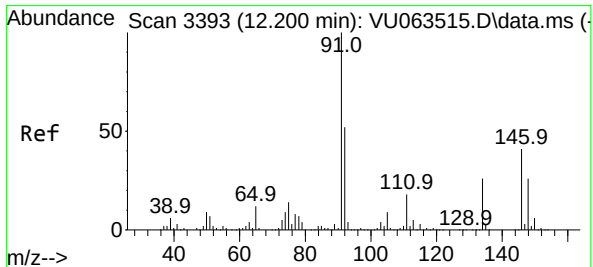
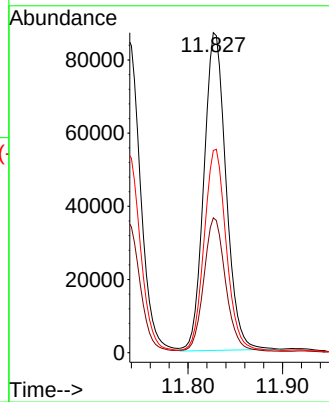
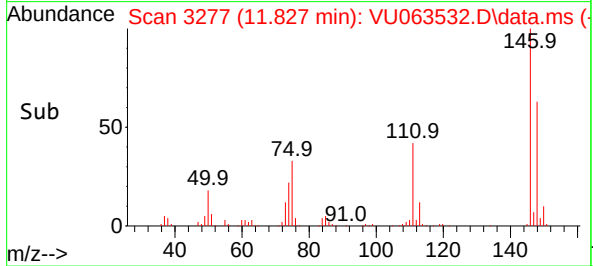
Instrument :
MSVOA_U
ClientSampleId :
VSTDC010



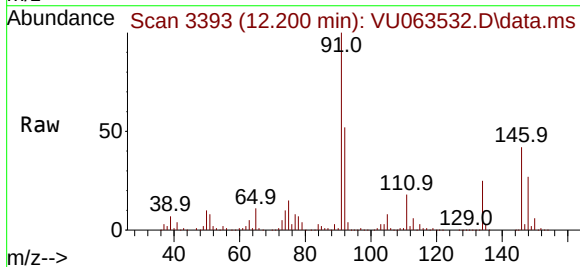
Tgt Ion:146 Resp: 14144
Ion Ratio Lower Upper
146 100
111 41.7 32.0 48.0
148 63.4 50.2 75.2

Manual Integrations
APPROVED

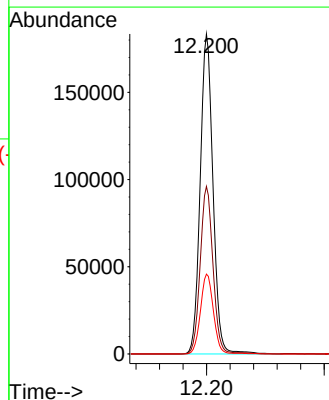
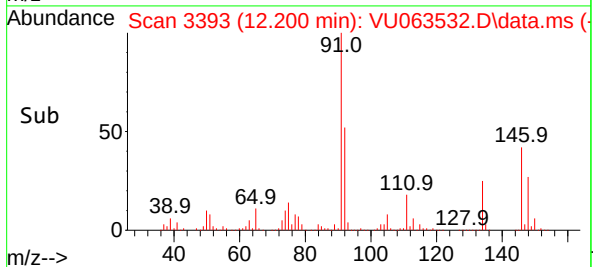
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

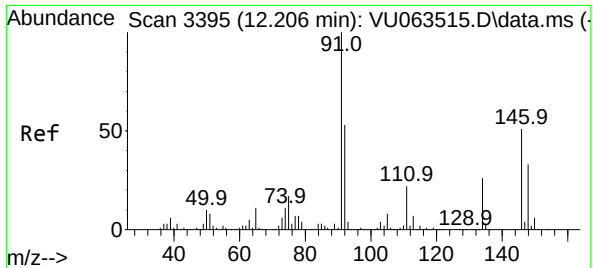


#84
n-Butylbenzene
Concen: 11.423 ug/l
RT: 12.200 min Scan# 3393
Delta R.T. -0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion: 91 Resp: 276678
Ion Ratio Lower Upper
91 100
92 52.5 41.5 62.3
134 25.4 20.6 30.8





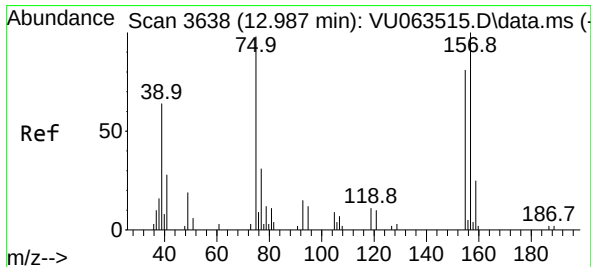
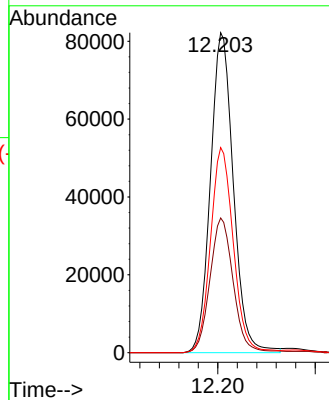
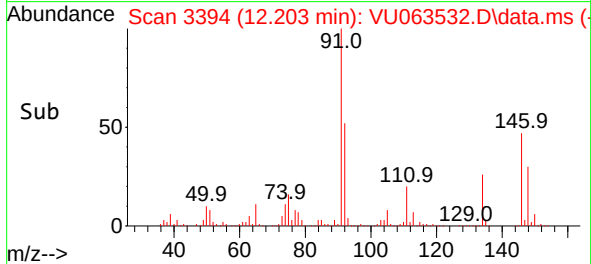
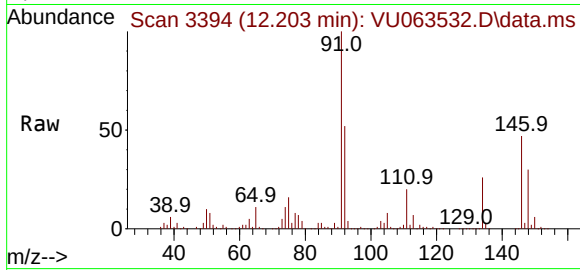
#85
1,2-Dichlorobenzene
Concen: 10.868 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. -0.003 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 133970
Ion Ratio Lower Upper
146 100
111 42.9 21.7 65.1
148 64.0 31.8 95.3

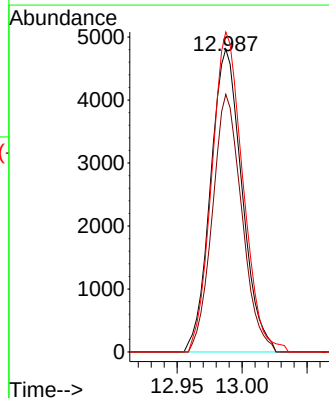
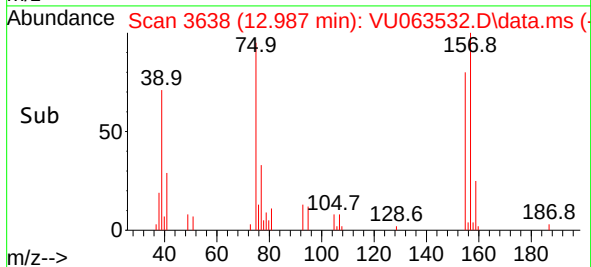
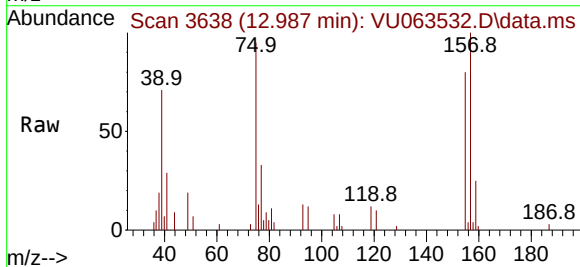
Manual Integrations
APPROVED

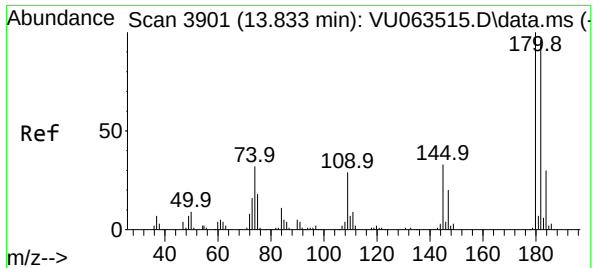
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 9.368 ug/l
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

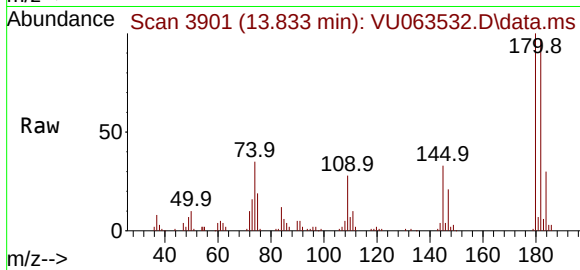
Tgt Ion: 75 Resp: 8081
Ion Ratio Lower Upper
75 100
155 79.6 65.8 98.6
157 104.5 81.4 122.2





#87
1,2,4-Trichlorobenzene
Concen: 10.783 ug/l
RT: 13.833 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11

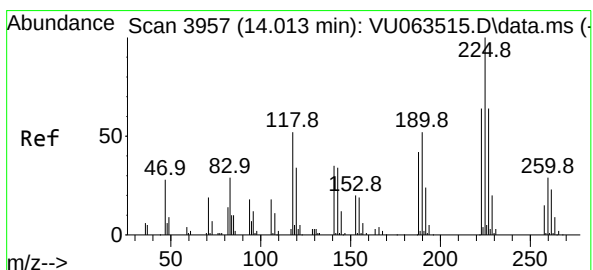
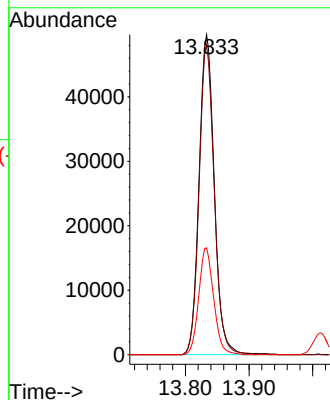
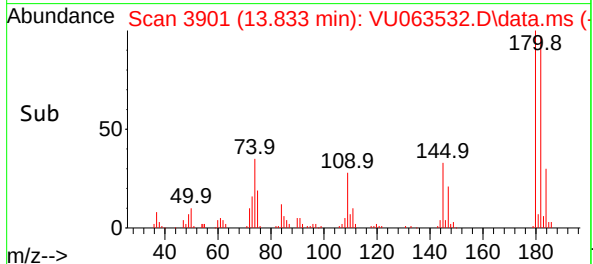
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010



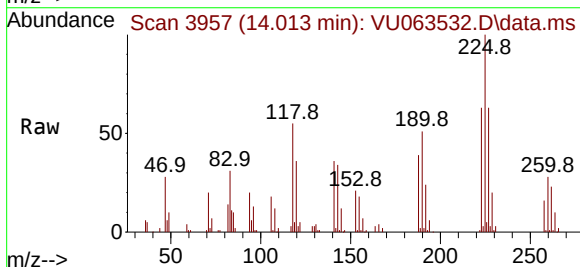
Tgt Ion:180 Resp: 82660
Ion Ratio Lower Upper
180 100
182 95.9 76.2 114.4
145 32.6 26.2 39.2

Manual Integrations
APPROVED

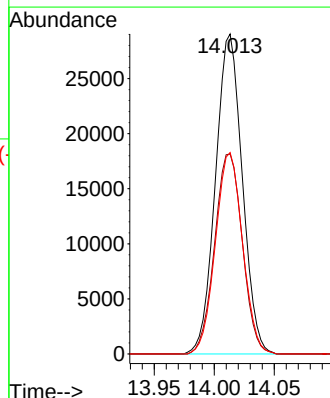
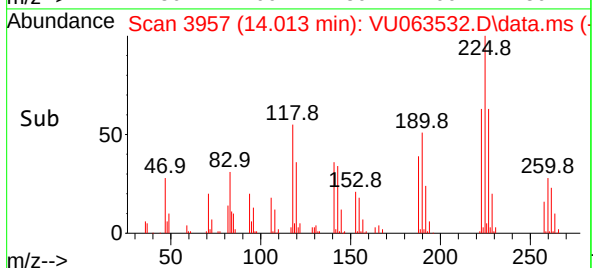
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

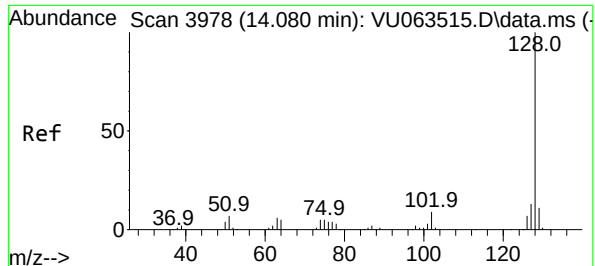


#88
Hexachlorobutadiene
Concen: 10.355 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. 0.000 min
Lab File: VU063532.D
Acq: 18 Jul 2025 09:11



Tgt Ion:225 Resp: 45081
Ion Ratio Lower Upper
225 100
223 64.6 50.8 76.2
227 63.6 51.0 76.6





#89

Naphthalene

Concen: 10.991 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. 0.001 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

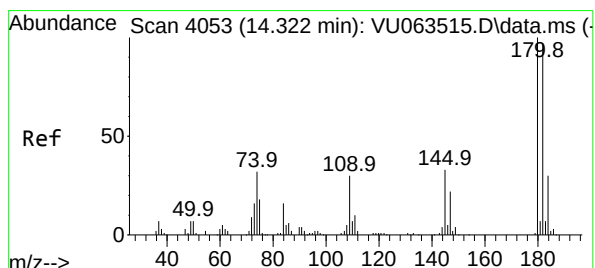
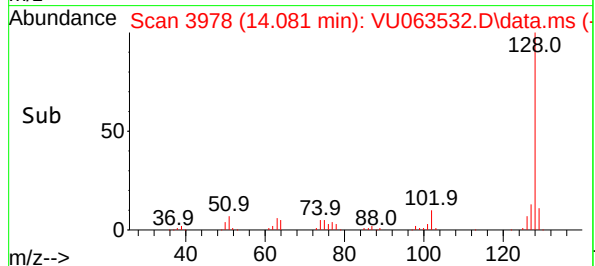
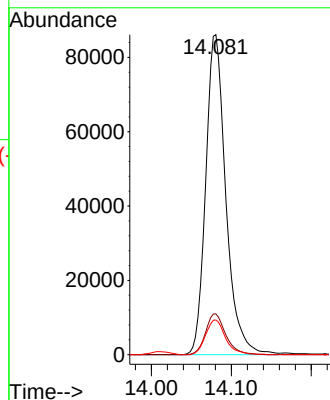
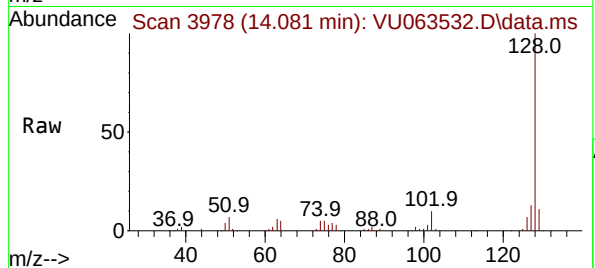
Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tgt Ion:	128	Resp:	15098
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#90

1,2,3-Trichlorobenzene

Concen: 10.751 ug/l

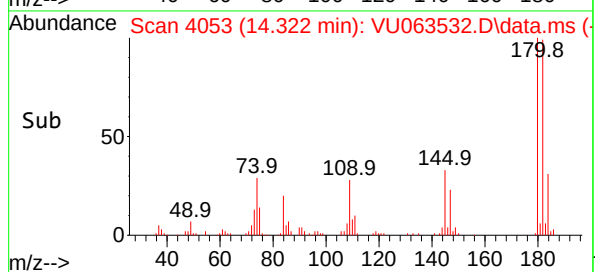
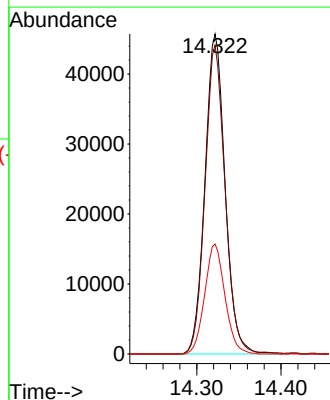
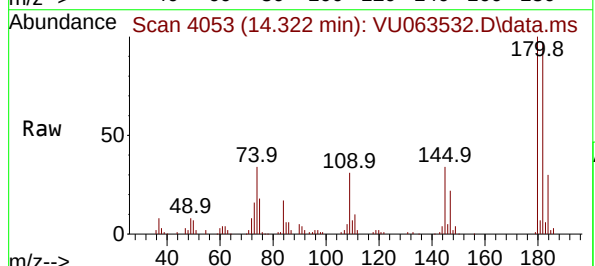
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063532.D

Acq: 18 Jul 2025 09:11

Tgt Ion:	180	Resp:	76164
Ion Ratio	Lower	Upper	
180	100		
182	95.9	78.0	117.0
145	34.4	27.3	40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063532.D
 Acq On : 18 Jul 2025 09:11
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC010

Quant Time: Jul 18 23:43:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	0.295	0.285	3.4	84	0.00
3 t	Chloromethane	0.274	0.271	1.1	88	0.00
4 Rt	Vinyl Chloride	0.349	0.339	2.9	83	0.00
5 T	Bromomethane	0.263	0.257	2.3	92	0.00
6 T	Chloroethane	0.211	0.211	0.0	86	0.00
7 T	Trichlorofluoromethane	0.501	0.508	-1.4	87	0.00
8	1,1,2-Trichloro-1,2,2-trifl	0.262	0.269	-2.7	88	0.00
9 Rt	1,1-Dichloroethene	0.260	0.260	0.0	85	0.00
10 t	Iodomethane	0.314	0.333	-6.1	78	0.00
11 t	Allyl Chloride	0.375	0.378	-0.8	86	0.00
12 t	Acrylonitrile	0.065	0.066	-1.5	91	0.00
13 T	Acetone	0.052	0.090	-73.1#	157	0.00
14 T	Carbon Disulfide	0.839	0.746	11.1	75	0.00
15 RT	Methylene Chloride	0.306	0.304	0.7	90	0.00
16 RT	trans-1,2-Dichloroethene	0.295	0.292	1.0	85	0.00
17 t	1,1-Dichloroethane	0.546	0.553	-1.3	88	0.00
18 T	2-Butanone	0.081	0.108	-33.3#	118	0.00
19	Cyclohexane	0.463	0.463	0.0	87	0.00
20	Methylcyclohexane	0.450	0.407	9.6	72	0.00
21 T	2,2-Dichloropropane	0.465	0.465	0.0	89	0.00
22 RT	cis-1,2-Dichloroethene	0.320	0.322	-0.6	87	0.00
23 t	Diethyl Ether	0.198	0.207	-4.5	87	0.00
24 t	tert-Butyl Alcohol	0.024	0.024	0.0	86	0.00
25 t	Methyl tert-Butyl Ether	0.678	0.701	-3.4	88	0.00
26 t	Bromochloromethane	0.134	0.137	-2.2	87	0.00
27 t	Chloroform	0.558	0.577	-3.4	92	0.00
28 RT	1,1,1-Trichloroethane	0.473	0.486	-2.7	88	0.00
29 T	1,1-Dichloropropene	0.438	0.442	-0.9	88	0.00
30 RT	Carbon Tetrachloride	0.381	0.391	-2.6	87	0.00
31 t	Isopropyl Ether	0.825	0.824	0.1	86	0.00
32	Ethyl-t-butyl ether	0.763	0.772	-1.2	87	0.00
33	Tert-Amyl methyl ether	0.663	0.675	-1.8	88	0.00
34 t	Propionitrile	0.025	0.024	4.0	89	0.00
35 RT	Benzene	1.178	1.246	-5.8	90	0.00
36 RT	1,2-Dichloroethane	0.366	0.390	-6.6	90	0.00
37 RT	Trichloroethene	0.301	0.269	10.6	72	0.00
38 Rt	1,2-Dichloropropane	0.276	0.267	3.3	73	0.00
39 t	Methacrylonitrile	0.109	0.102	6.4	88	0.00
40 t	Methyl acrylate	0.159	0.155	2.5	80	0.00
41 t	Tetrahydrofuran	0.057	0.054	5.3	89	0.00
42 t	1-Chlorobutane	0.583	0.602	-3.3	88	0.00
43 T	Dibromomethane	0.143	0.142	0.7	80	0.00
44 T	Bromodichloromethane	0.322	0.316	1.9	84	0.00
45 T	4-Methyl-2-Pentanone	0.147	0.154	-4.8	88	0.00
46 t	t-1,4-Dichloro-2-butene	0.055	0.055	0.0	76	0.00
47 t	Methyl methacrylate	0.120	0.123	-2.5	84	0.00
48 t	Ethyl methacrylate	0.229	0.243	-6.1	84	0.00
49 Rt	Toluene	0.643	0.658	-2.3	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063532.D
Acq On : 18 Jul 2025 09:11
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jul 18 23:43:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	0.253	0.260	-2.8	79	0.00
51 T	cis-1,3-Dichloropropene	0.339	0.343	-1.2	82	0.00
52 RT	1,1,2-Trichloroethane	0.192	0.199	-3.6	85	0.00
53 t	1,3-Dichloropropane	0.332	0.343	-3.3	87	0.00
54 t	2-Hexanone	0.098	0.120	-22.4	101	0.00
55 t	Dibromochloromethane	0.203	0.211	-3.9	79	0.00
56 T	1,2-Dibromoethane	0.172	0.176	-2.3	86	0.00
57 S	4-Bromofluorobenzene	0.379	0.425	-12.1	100	0.00
58 RT	Tetrachloroethene	0.275	0.263	4.4	80	0.00
59 Rt	Chlorobenzene	0.739	0.757	-2.4	85	0.00
60 T	1,1,1,2-Tetrachloroethane	0.238	0.239	-0.4	82	0.00
61 t	Pentachloroethane	0.168	0.181	-7.7	84	0.00
62 t	Hexachloroethane	0.166	0.176	-6.0	80	0.00
63 Rt	Ethyl Benzene	1.271	1.307	-2.8	86	0.00
64 RT	m/p-Xylenes	0.494	0.516	-4.5	86	0.00
65 RT	o-Xylene	0.475	0.505	-6.3	87	0.00
66 RT	Styrene	0.757	0.823	-8.7	87	0.00
67 t	Bromoform	0.104	0.103	1.0	76	0.00
68 S	1,2-Dichlorobenzene-d4	0.350	0.381	-8.9	92	0.00
69 T	Isopropylbenzene	1.148	1.225	-6.7	86	0.00
70 T	1,1,2,2-Tetrachloroethane	0.234	0.249	-6.4	89	0.00
71 T	1,2,3-Trichloropropane	0.190	0.194	-2.1	81	0.00
72 t	Bromobenzene	0.296	0.303	-2.4	85	0.00
73 t	n-propylbenzene	0.346	0.377	-9.0	87	0.00
74 t	2-Chlorotoluene	0.305	0.322	-5.6	87	0.00
75 t	1,3,5-Trimethylbenzene	1.097	1.189	-8.4	87	0.00
76 t	4-Chlorotoluene	0.310	0.337	-8.7	89	0.00
77 t	tert-Butylbenzene	1.048	1.124	-7.3	87	0.00
78 t	1,2,4-Trimethylbenzene	1.088	1.184	-8.8	87	0.00
79 t	sec-Butylbenzene	1.413	1.542	-9.1	88	0.00
80	Nitrobenzene	0.004	0.004	0.0	69	0.00
81 t	p-Isopropyltoluene	1.180	1.299	-10.1	88	0.00
82 t	1,3-Dichlorobenzene	0.593	0.633	-6.7	87	0.00
83 Rt	1,4-Dichlorobenzene	0.593	0.639	-7.8	87	0.00
84 t	n-Butylbenzene	1.094	1.250	-14.3	90	0.00
85 Rt	1,2-Dichlorobenzene	0.557	0.605	-8.6	88	0.00
86 t	1,2-Dibromo-3-Chloropropane	0.033	0.037	-12.1	79	0.00
87 Rt	1,2,4-Trichlorobenzene	0.346	0.373	-7.8	84	0.00
88 t	Hexachlorobutadiene	0.197	0.204	-3.6	84	0.00
89 t	Naphthalene	0.621	0.682	-9.8	87	0.00
90 t	1,2,3-Trichlorobenzene	0.320	0.344	-7.5	85	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063532.D
 Acq On : 18 Jul 2025 09:11
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC010

Quant Time: Jul 18 23:43:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Fluorobenzene	1.000	1.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	10.000	9.679	3.2	84	0.00
3 t	Chloromethane	10.000	9.869	1.3	88	0.00
4 Rt	Vinyl Chloride	10.000	9.713	2.9	83	0.00
5 T	Bromomethane	10.000	9.778	2.2	92	0.00
6 T	Chloroethane	10.000	10.032	-0.3	86	0.00
7 T	Trichlorofluoromethane	10.000	10.130	-1.3	87	0.00
8	1,1,2-Trichloro-1,2,2-trifl	10.000	10.278	-2.8	88	0.00
9 Rt	1,1-Dichloroethene	10.000	10.027	-0.3	85	0.00
10 t	Iodomethane	10.000	8.700	13.0	78	0.00
11 t	Allyl Chloride	10.000	10.065	-0.6	86	0.00
12 t	Acrylonitrile	20.000	20.347	-1.7	91	0.00
13 T	Acetone	50.000	86.744	-73.5#	157	0.00
14 T	Carbon Disulfide	10.000	8.892	11.1	75	0.00
15 RT	Methylene Chloride	10.000	9.932	0.7	90	0.00
16 RT	trans-1,2-Dichloroethene	10.000	9.902	1.0	85	0.00
17 t	1,1-Dichloroethane	10.000	10.126	-1.3	88	0.00
18 T	2-Butanone	50.000	67.111	-34.2#	118	0.00
19	Cyclohexane	10.000	10.008	-0.1	87	0.00
20	Methylcyclohexane	10.000	9.053	9.5	72	0.00
21 T	2,2-Dichloropropane	10.000	9.992	0.1	89	0.00
22 RT	cis-1,2-Dichloroethene	10.000	10.076	-0.8	87	0.00
23 t	Diethyl Ether	10.000	10.482	-4.8	87	0.00
24 t	tert-Butyl Alcohol	100.000	99.368	0.6	86	0.00
25 t	Methyl tert-Butyl Ether	10.000	10.348	-3.5	88	0.00
26 t	Bromochloromethane	10.000	10.279	-2.8	87	0.00
27 t	Chloroform	10.000	10.340	-3.4	92	0.00
28 RT	1,1,1-Trichloroethane	10.000	10.278	-2.8	88	0.00
29 T	1,1-Dichloropropene	10.000	10.077	-0.8	88	0.00
30 RT	Carbon Tetrachloride	10.000	10.264	-2.6	87	0.00
31 t	Isopropyl Ether	10.000	9.983	0.2	86	0.00
32	Ethyl-t-butyl ether	10.000	10.117	-1.2	87	0.00
33	Tert-Amyl methyl ether	10.000	10.191	-1.9	88	0.00
34 t	Propionitrile	50.000	47.974	4.1	89	0.00
35 RT	Benzene	10.000	10.575	-5.7	90	0.00
36 RT	1,2-Dichloroethane	10.000	10.641	-6.4	90	0.00
37 RT	Trichloroethene	10.000	8.950	10.5	72	0.00
38 Rt	1,2-Dichloropropane	10.000	9.683	3.2	73	0.00
39 t	Methacrylonitrile	10.000	9.375	6.3	88	0.00
40 t	Methyl acrylate	10.000	9.721	2.8	80	0.00
41 t	Tetrahydrofuran	20.000	18.783	6.1	89	0.00
42 t	1-Chlorobutane	10.000	10.334	-3.3	88	0.00
43 T	Dibromomethane	10.000	9.911	0.9	80	0.00
44 T	Bromodichloromethane	10.000	9.806	1.9	84	0.00
45 T	4-Methyl-2-Pentanone	50.000	52.342	-4.7	88	0.00
46 t	t-1,4-Dichloro-2-butene	20.000	19.823	0.9	76	0.00
47 t	Methyl methacrylate	20.000	20.535	-2.7	84	0.00
48 t	Ethyl methacrylate	10.000	10.607	-6.1	84	0.00
49 Rt	Toluene	10.000	10.235	-2.3	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063532.D
Acq On : 18 Jul 2025 09:11
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
LabSampleId :
VSTDCCC010

Quant Time: Jul 18 23:43:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50 T	t-1,3-Dichloropropene	10.000	10.291	-2.9	79	0.00
51 T	cis-1,3-Dichloropropene	10.000	10.099	-1.0	82	0.00
52 RT	1,1,2-Trichloroethane	10.000	10.327	-3.3	85	0.00
53 t	1,3-Dichloropropane	10.000	10.333	-3.3	87	0.00
54 t	2-Hexanone	50.000	61.353	-22.7	101	0.00
55 t	Dibromochloromethane	10.000	10.403	-4.0	79	0.00
56 T	1,2-Dibromoethane	10.000	10.244	-2.4	86	0.00
57 S	4-Bromofluorobenzene	1.000	1.121	-12.1	100	0.00
58 RT	Tetrachloroethene	10.000	9.565	4.4	80	0.00
59 Rt	Chlorobenzene	10.000	10.249	-2.5	85	0.00
60 T	1,1,1,2-Tetrachloroethane	10.000	10.060	-0.6	82	0.00
61 t	Pentachloroethane	10.000	10.796	-8.0	84	0.00
62 t	Hexachloroethane	10.000	10.606	-6.1	80	0.00
63 Rt	Ethyl Benzene	10.000	10.281	-2.8	86	0.00
64 RT	m/p-Xylenes	20.000	20.884	-4.4	86	0.00
65 RT	o-Xylene	10.000	10.626	-6.3	87	0.00
66 RT	Styrene	10.000	10.877	-8.8	87	0.00
67 t	Bromoform	10.000	9.853	1.5	76	0.00
68 S	1,2-Dichlorobenzene-d4	1.000	1.089	-8.9	92	0.00
69 T	Isopropylbenzene	10.000	10.673	-6.7	86	0.00
70 T	1,1,2,2-Tetrachloroethane	10.000	10.657	-6.6	89	0.00
71 T	1,2,3-Trichloropropane	10.000	10.198	-2.0	81	0.00
72 t	Bromobenzene	10.000	10.241	-2.4	85	0.00
73 t	n-propylbenzene	10.000	10.911	-9.1	87	0.00
74 t	2-Chlorotoluene	10.000	10.538	-5.4	87	0.00
75 t	1,3,5-Trimethylbenzene	10.000	10.839	-8.4	87	0.00
76 t	4-Chlorotoluene	10.000	10.851	-8.5	89	0.00
77 t	tert-Butylbenzene	10.000	10.723	-7.2	87	0.00
78 t	1,2,4-Trimethylbenzene	10.000	10.884	-8.8	87	0.00
79 t	sec-Butylbenzene	10.000	10.911	-9.1	88	0.00
80	Nitrobenzene	50.000	42.376	15.2	69	0.00
81 t	p-Isopropyltoluene	10.000	11.013	-10.1	88	0.00
82 t	1,3-Dichlorobenzene	10.000	10.671	-6.7	87	0.00
83 Rt	1,4-Dichlorobenzene	10.000	10.769	-7.7	87	0.00
84 t	n-Butylbenzene	10.000	11.423	-14.2	90	0.00
85 Rt	1,2-Dichlorobenzene	10.000	10.868	-8.7	88	0.00
86 t	1,2-Dibromo-3-Chloropropane	10.000	9.368	6.3	79	0.00
87 Rt	1,2,4-Trichlorobenzene	10.000	10.783	-7.8	84	0.00
88 t	Hexachlorobutadiene	10.000	10.355	-3.6	84	0.00
89 t	Naphthalene	10.000	10.991	-9.9	87	0.00
90 t	1,2,3-Trichlorobenzene	10.000	10.751	-7.5	85	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

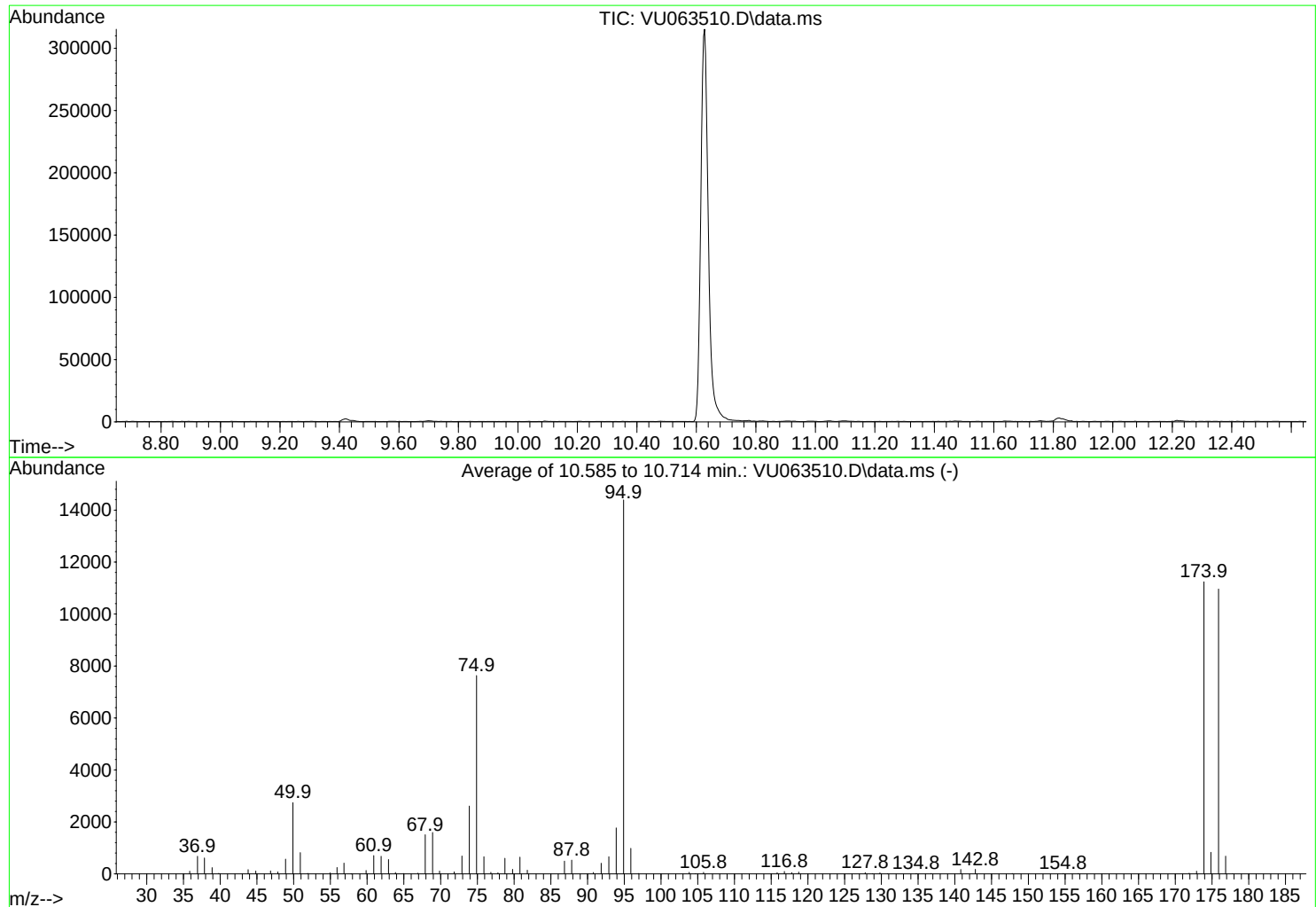
- 1
- 2
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- 16

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
Data File : VU063510.D
Acq On : 16 Jul 2025 08:13
Operator : MD/SY
Sample : BFB
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Thu Jul 17 03:49:40 2025



AutoFind: Averaged scan 2891 to 2931; Bkg corrected with scan 2890

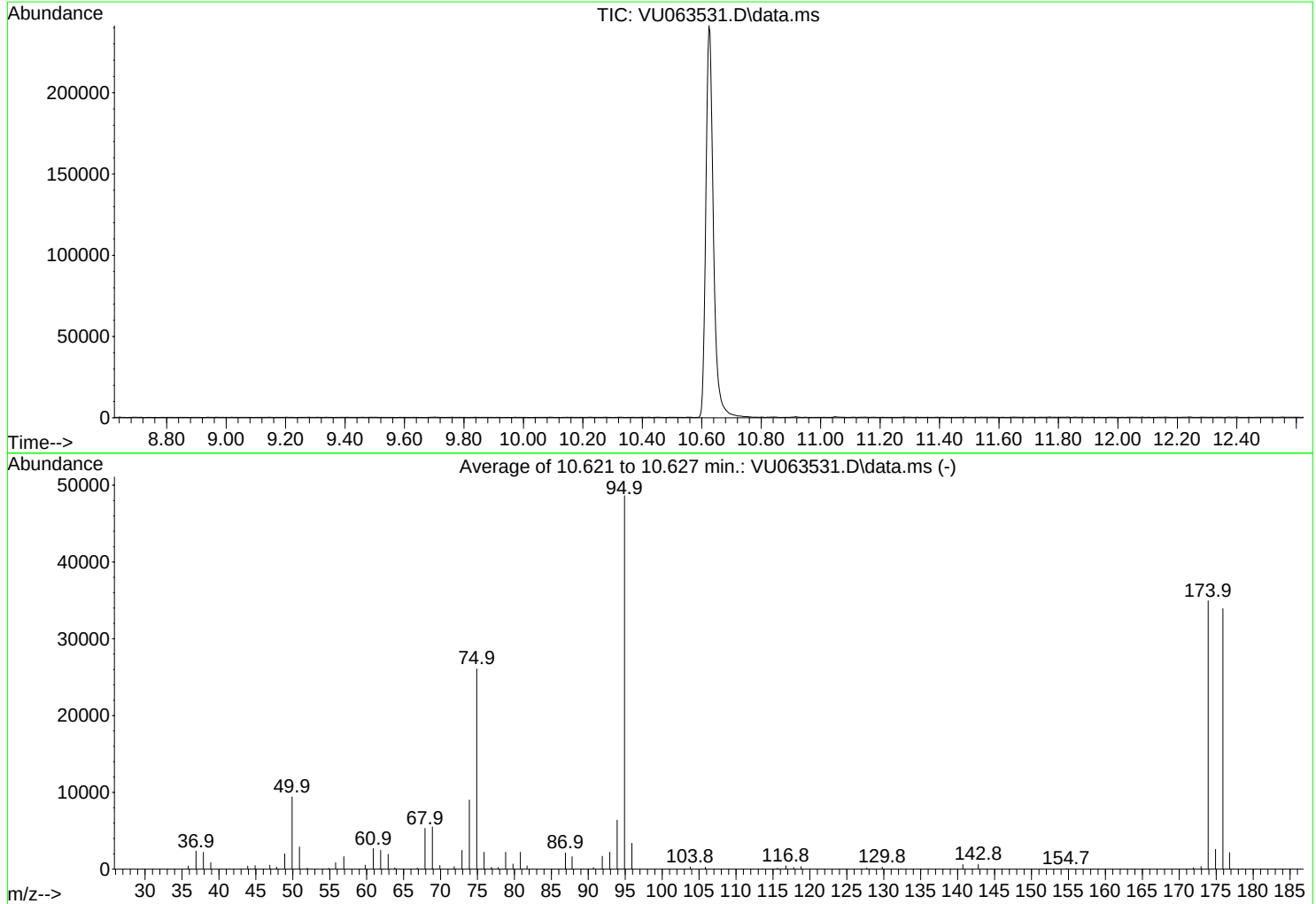
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.1	2743	PASS
75	95	30	60	53.0	7631	PASS
95	95	100	100	100.0	14392	PASS
96	95	5	9	6.8	984	PASS
173	174	0.00	2	0.9	104	PASS
174	95	50	100	78.1	11242	PASS
175	174	5	9	7.4	829	PASS
176	174	95	101	97.5	10965	PASS
177	176	5	9	6.2	681	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063531.D
Acq On : 18 Jul 2025 08:07
Operator : MD/SY
Sample : BFB
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Thu Jul 17 03:49:40 2025



AutoFind: Scans 2902, 2903, 2904; Background Corrected with Scan 2890

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.3	9408	PASS
75	95	30	60	53.6	26088	PASS
95	95	100	100	100.0	48635	PASS
96	95	5	9	7.0	3383	PASS
173	174	0.00	2	1.0	361	PASS
174	95	50	100	71.8	34936	PASS
175	174	5	9	7.4	2590	PASS
176	174	95	101	97.1	33925	PASS
177	176	5	9	6.4	2161	PASS

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBL01	SDG No.:	Q2552	
Lab Sample ID:	VU0718WBL01	Matrix:	Water	
Analytical Method:	E524.2	% Solid:	0	
Sample Wt/Vol:	25	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	25000	uL
		Test:	VOCMS Group2	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063533.D	1	07/18/25 10:49	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.12	U	0.12	0.50	ug/L
74-87-3	Chloromethane	0.13	U	0.13	0.50	ug/L
75-01-4	Vinyl Chloride	0.12	U	0.12	0.50	ug/L
74-83-9	Bromomethane	0.15	U	0.15	0.50	ug/L
75-00-3	Chloroethane	0.14	U	0.14	0.50	ug/L
109-99-9	Tetrahydrofuran	0.42	U	0.42	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.50	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.11	0.50	ug/L
75-65-0	tert-Butyl Alcohol	3.60	U	3.60	10.0	ug/L
60-29-7	Diethyl Ether	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.13	U	0.13	0.50	ug/L
107-13-1	Acrylonitrile	0.44	U	0.44	1.00	ug/L
67-64-1	Acetone	0.97	U	0.97	2.50	ug/L
75-15-0	Carbon Disulfide	0.12	U	0.12	0.50	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.11	U	0.11	0.50	ug/L
96-33-3	Methyl acrylate	0.33	U	0.33	0.50	ug/L
75-09-2	Methylene Chloride	0.44	U	0.44	0.50	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.14	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
110-82-7	Cyclohexane	0.14	U	0.14	0.50	ug/L
78-93-3	2-Butanone	0.72	U	0.72	2.50	ug/L
56-23-5	Carbon Tetrachloride	0.13	U	0.13	0.50	ug/L
594-20-7	2,2-Dichloropropane	0.12	U	0.12	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
74-97-5	Bromochloromethane	0.17	U	0.17	0.50	ug/L
67-66-3	Chloroform	0.17	U	0.17	0.50	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	0.50	ug/L
108-87-2	Methylcyclohexane	0.090	U	0.090	0.50	ug/L
563-58-6	1,1-Dichloropropene	0.11	U	0.11	0.50	ug/L
107-12-0	Propionitrile	1.20	U	1.20	2.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBL01	SDG No.:	Q2552	
Lab Sample ID:	VU0718WBL01	Matrix:	Water	
Analytical Method:	E524.2	% Solid:	0	
Sample Wt/Vol:	25	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	25000	uL
		Test:	VOCMS Group2	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063533.D	1	07/18/25 10:49	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.14	U	0.14	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
78-87-5	1,2-Dichloropropane	0.13	U	0.13	0.50	ug/L
109-69-3	1-Chlorobutane	0.12	U	0.12	0.50	ug/L
74-95-3	Dibromomethane	0.15	U	0.15	0.50	ug/L
75-27-4	Bromodichloromethane	0.13	U	0.13	0.50	ug/L
108-10-1	4-Methyl-2-Pentanone	0.63	U	0.63	2.50	ug/L
108-88-3	Toluene	0.11	U	0.11	0.50	ug/L
10061-02-6	t-1,3-Dichloropropene	0.11	U	0.11	0.50	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.11	U	0.11	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
142-28-9	1,3-Dichloropropane	0.12	U	0.12	0.50	ug/L
591-78-6	2-Hexanone	0.65	U	0.65	2.50	ug/L
124-48-1	Dibromochloromethane	0.20	U	0.20	0.50	ug/L
106-93-4	1,2-Dibromoethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
108-90-7	Chlorobenzene	0.11	U	0.11	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
67-72-1	Hexachloroethane	0.12	U	0.12	0.50	ug/L
100-41-4	Ethyl Benzene	0.41	U	0.41	0.50	ug/L
179601-23-1	m/p-Xylenes	0.73	U	0.73	1.00	ug/L
1330-20-7	Total Xylenes	1.09	U	1.09	1.50	ug/L
95-47-6	o-Xylene	0.36	U	0.36	0.50	ug/L
100-42-5	Styrene	0.38	U	0.38	0.50	ug/L
75-25-2	Bromoform	0.31	U	0.31	0.50	ug/L
98-82-8	Isopropylbenzene	0.38	U	0.38	0.50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
96-18-4	1,2,3-Trichloropropane	0.19	U	0.19	0.50	ug/L
108-86-1	Bromobenzene	0.13	U	0.13	0.50	ug/L
103-65-1	n-propylbenzene	0.42	U	0.42	0.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBL01		SDG No.:	Q2552
Lab Sample ID:	VU0718WBL01		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063533.D	1	07/18/25 10:49	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	0.27	U	0.27	0.50	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.37	U	0.37	0.50	ug/L
106-43-4	4-Chlorotoluene	0.27	U	0.27	0.50	ug/L
98-06-6	tert-Butylbenzene	0.37	U	0.37	0.50	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.40	U	0.40	0.50	ug/L
135-98-8	sec-Butylbenzene	0.36	U	0.36	0.50	ug/L
99-87-6	p-Isopropyltoluene	0.42	U	0.42	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	0.13	U	0.13	0.50	ug/L
106-46-7	1,4-Dichlorobenzene	0.13	U	0.13	0.50	ug/L
104-51-8	n-Butylbenzene	0.43	U	0.43	0.50	ug/L
95-50-1	1,2-Dichlorobenzene	0.14	U	0.14	0.50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.24	U	0.24	0.50	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.21	U	0.21	0.50	ug/L
87-68-3	Hexachlorobutadiene	0.14	U	0.14	0.50	ug/L
91-20-3	Naphthalene	0.33	U	0.33	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.31	U	0.31	0.50	ug/L
74-88-4	Iodomethane	0.090	U	0.090	1.00	ug/L
107-05-1	Allyl Chloride	0.13	U	0.13	0.50	ug/L
126-98-7	Methacrylonitrile	0.24	U	0.24	0.50	ug/L
80-62-6	Methyl methacrylate	0.24	U	0.24	1.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.72		70 - 130	72%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.79		70 - 130	79%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	25300	6.1			

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Drinking Water PT			Date Received:	
Client Sample ID:	VU0718WBL01			SDG No.:	Q2552
Lab Sample ID:	VU0718WBL01			Matrix:	Water
Analytical Method:	E524.2			% Solid:	0
Sample Wt/Vol:	25	Units:	mL	Final Vol:	25000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063533.D	1	07/18/25 10:49	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063533.D
Acq On : 18 Jul 2025 10:49
Operator : MD/SY
Sample : VU0718WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBL01

Quant Time: Jul 18 23:47:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.100	96	25256	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	7573	0.792	ug/l	0.00
Spiked Amount	1.000		Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	6388	0.722	ug/l	0.00
Spiked Amount	1.000		Recovery	=	72.000%	

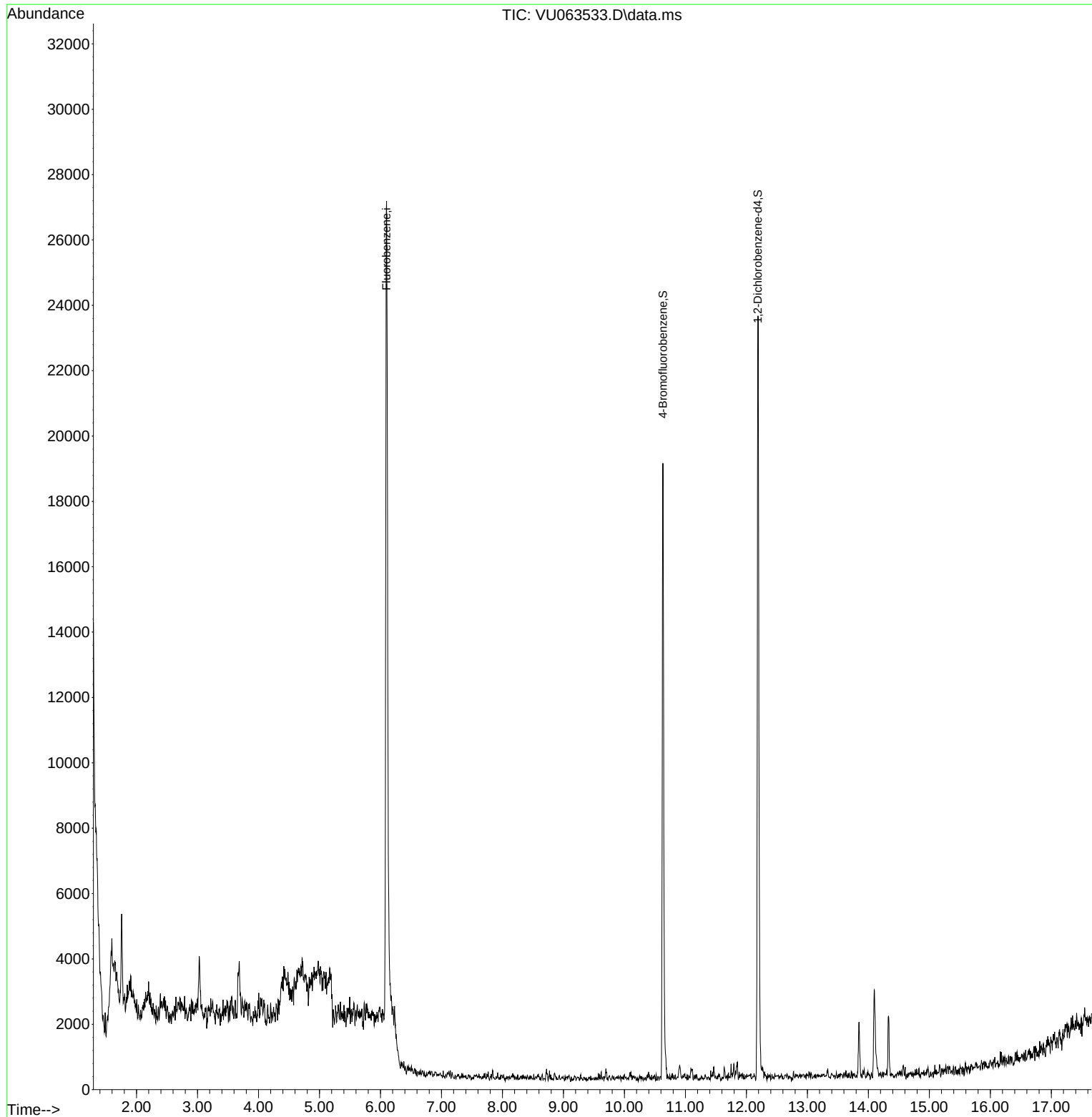
Target Compounds	Qvalue

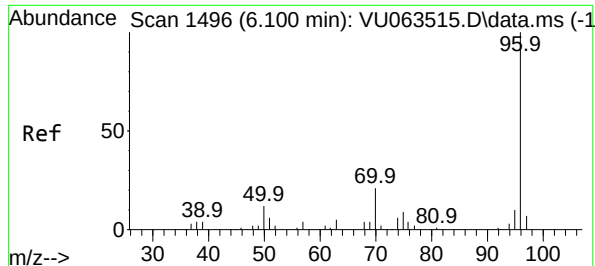
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063533.D
Acq On : 18 Jul 2025 10:49
Operator : MD/SY
Sample : VU0718WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBL01

Quant Time: Jul 18 23:47:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

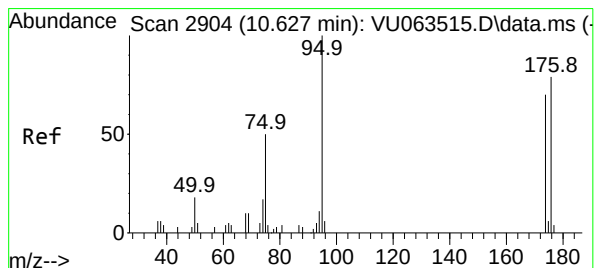
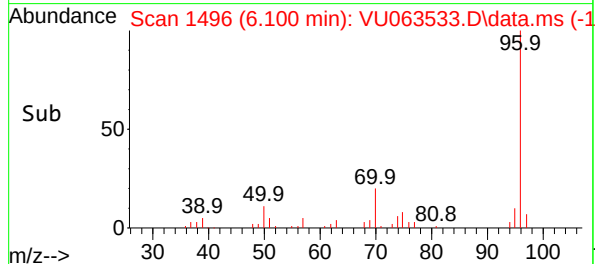
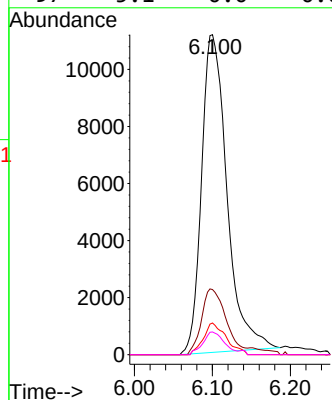
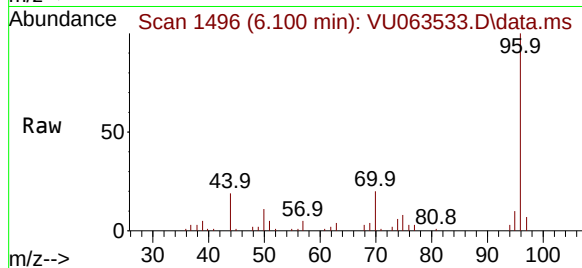




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063533.D
Acq: 18 Jul 2025 10:49

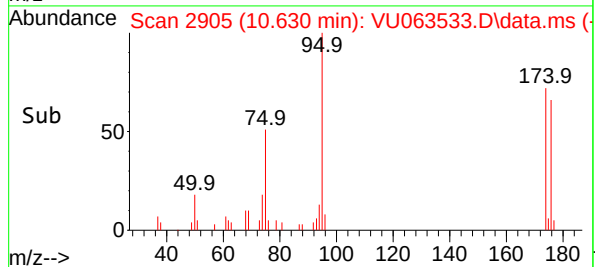
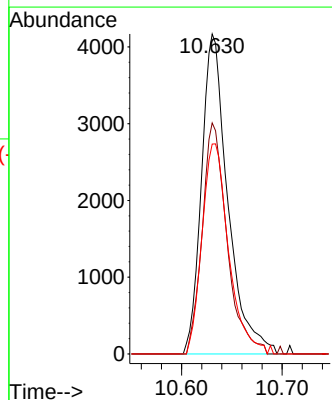
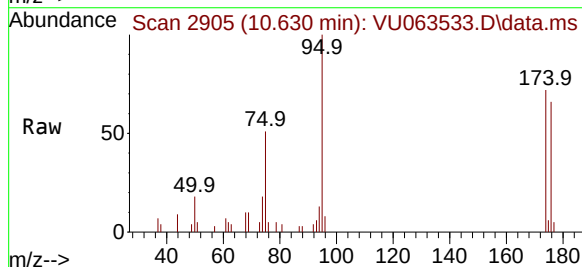
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBL01

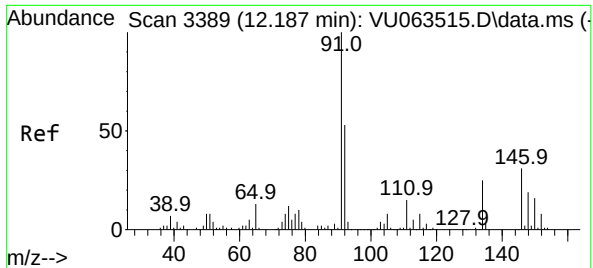
Tgt Ion:	96	Resp:	25256
Ion Ratio	Lower	Upper	
96	100		
70	17.9	15.0	22.4
95	8.9	7.4	11.0
97	5.1	0.0	0.0



#57
4-Bromofluorobenzene
Concen: 0.792 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063533.D
Acq: 18 Jul 2025 10:49

Tgt Ion:	95	Resp:	7573
Ion Ratio	Lower	Upper	
95	100		
174	68.0	59.8	89.8
176	66.6	61.8	92.8





#68

1,2-Dichlorobenzene-d4

Concen: 0.722 ug/l

RT: 12.187 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063533.D

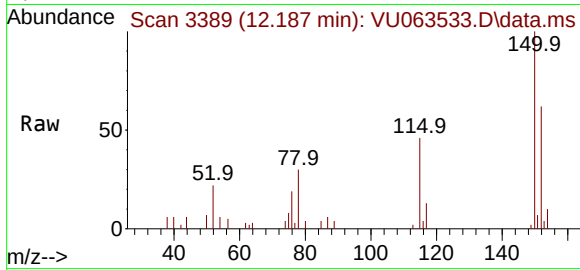
Acq: 18 Jul 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBL01



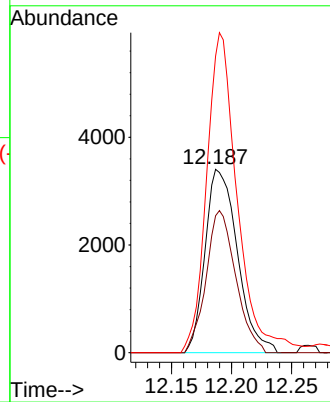
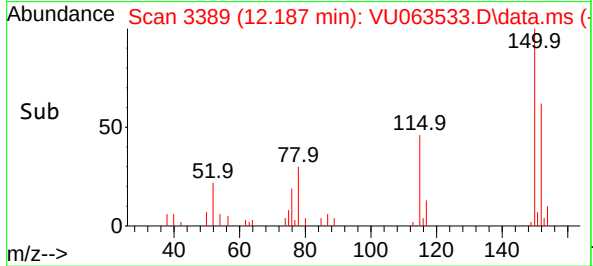
Tgt Ion:152 Resp: 6388

Ion Ratio Lower Upper

152 100

115 71.0 0.0 262.2

150 165.4 0.0 651.2



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBS02	SDG No.:	Q2552	
Lab Sample ID:	VU0718WBS02	Matrix:	Water	
Analytical Method:	E524.2	% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063535.D	1	07/18/25 11:50	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90		0.12	0.50	ug/L
74-87-3	Chloromethane	2.10		0.13	0.50	ug/L
75-01-4	Vinyl Chloride	2.10		0.12	0.50	ug/L
74-83-9	Bromomethane	2.30		0.15	0.50	ug/L
75-00-3	Chloroethane	2.20		0.14	0.50	ug/L
109-99-9	Tetrahydrofuran	4.80		0.42	1.00	ug/L
75-69-4	Trichlorofluoromethane	2.20		0.20	0.50	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.20		0.11	0.50	ug/L
75-65-0	tert-Butyl Alcohol	20.7		3.60	10.0	ug/L
60-29-7	Diethyl Ether	2.30		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	2.20		0.13	0.50	ug/L
107-13-1	Acrylonitrile	4.00		0.44	1.00	ug/L
67-64-1	Acetone	10.2		0.97	2.50	ug/L
75-15-0	Carbon Disulfide	1.80		0.12	0.50	ug/L
1634-04-4	Methyl tert-Butyl Ether	2.20		0.11	0.50	ug/L
96-33-3	Methyl acrylate	2.10		0.33	0.50	ug/L
75-09-2	Methylene Chloride	2.20		0.44	0.50	ug/L
156-60-5	trans-1,2-Dichloroethene	2.10		0.14	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.20		0.13	0.50	ug/L
110-82-7	Cyclohexane	2.20		0.14	0.50	ug/L
78-93-3	2-Butanone	11.0		0.72	2.50	ug/L
56-23-5	Carbon Tetrachloride	2.00		0.13	0.50	ug/L
594-20-7	2,2-Dichloropropane	2.00		0.12	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.20		0.13	0.50	ug/L
74-97-5	Bromochloromethane	2.20		0.17	0.50	ug/L
67-66-3	Chloroform	2.30		0.17	0.50	ug/L
71-55-6	1,1,1-Trichloroethane	2.10		0.12	0.50	ug/L
108-87-2	Methylcyclohexane	1.80		0.090	0.50	ug/L
563-58-6	1,1-Dichloropropene	2.20		0.11	0.50	ug/L
107-12-0	Propionitrile	11.1		1.20	2.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBS02		SDG No.:	Q2552
Lab Sample ID:	VU0718WBS02		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063535.D	1	07/18/25 11:50	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	1.80		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	1.80		0.14	0.50	ug/L
79-01-6	Trichloroethene	1.90		0.13	0.50	ug/L
78-87-5	1,2-Dichloropropane	1.90		0.13	0.50	ug/L
109-69-3	1-Chlorobutane	2.00		0.12	0.50	ug/L
74-95-3	Dibromomethane	2.00		0.15	0.50	ug/L
75-27-4	Bromodichloromethane	1.80		0.13	0.50	ug/L
108-10-1	4-Methyl-2-Pentanone	10.5		0.63	2.50	ug/L
108-88-3	Toluene	2.00		0.11	0.50	ug/L
10061-02-6	t-1,3-Dichloropropene	1.50		0.11	0.50	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60		0.11	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	2.10		0.13	0.50	ug/L
142-28-9	1,3-Dichloropropane	2.10		0.12	0.50	ug/L
591-78-6	2-Hexanone	10.0		0.65	2.50	ug/L
124-48-1	Dibromochloromethane	1.60		0.20	0.50	ug/L
106-93-4	1,2-Dibromoethane	1.90		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	1.90		0.14	0.50	ug/L
108-90-7	Chlorobenzene	2.00		0.11	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.70		0.13	0.50	ug/L
67-72-1	Hexachloroethane	1.50		0.12	0.50	ug/L
100-41-4	Ethyl Benzene	1.90		0.41	0.50	ug/L
179601-23-1	m/p-Xylenes	3.90		0.73	1.00	ug/L
1330-20-7	Total Xylenes	5.90		1.09	1.50	ug/L
95-47-6	o-Xylene	2.00		0.36	0.50	ug/L
100-42-5	Styrene	2.00		0.38	0.50	ug/L
75-25-2	Bromoform	1.40		0.31	0.50	ug/L
98-82-8	Isopropylbenzene	2.00		0.38	0.50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00		0.13	0.50	ug/L
96-18-4	1,2,3-Trichloropropane	2.00		0.19	0.50	ug/L
108-86-1	Bromobenzene	1.90		0.13	0.50	ug/L
103-65-1	n-propylbenzene	2.00		0.42	0.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBS02		SDG No.:	Q2552
Lab Sample ID:	VU0718WBS02		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063535.D	1	07/18/25 11:50	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	1.90		0.27	0.50	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.90		0.37	0.50	ug/L
106-43-4	4-Chlorotoluene	2.00		0.27	0.50	ug/L
98-06-6	tert-Butylbenzene	2.00		0.37	0.50	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.00		0.40	0.50	ug/L
135-98-8	sec-Butylbenzene	2.00		0.36	0.50	ug/L
99-87-6	p-Isopropyltoluene	2.00		0.42	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	2.00		0.13	0.50	ug/L
106-46-7	1,4-Dichlorobenzene	2.00		0.13	0.50	ug/L
104-51-8	n-Butylbenzene	2.00		0.43	0.50	ug/L
95-50-1	1,2-Dichlorobenzene	2.00		0.14	0.50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.90		0.24	0.50	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.90		0.21	0.50	ug/L
87-68-3	Hexachlorobutadiene	1.90		0.14	0.50	ug/L
91-20-3	Naphthalene	2.00		0.33	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00		0.31	0.50	ug/L
74-88-4	Iodomethane	1.90		0.090	1.00	ug/L
107-05-1	Allyl Chloride	2.00		0.13	0.50	ug/L
126-98-7	Methacrylonitrile	2.00		0.24	0.50	ug/L
80-62-6	Methyl methacrylate	3.70		0.24	1.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 - 130	105%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 - 130	103%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	20200	6.1			

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	
Project:	NJ Drinking Water PT			Date Received:	
Client Sample ID:	VU0718WBS02			SDG No.:	Q2552
Lab Sample ID:	VU0718WBS02			Matrix:	Water
Analytical Method:	E524.2			% Solid:	0
Sample Wt/Vol:	25	Units:	mL	Final Vol:	25000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063535.D	1	07/18/25 11:50	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063535.D
 Acq On : 18 Jul 2025 11:50
 Operator : MD/SY
 Sample : VU0718WBS02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:49:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.100	96	20233	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7909	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.183	152	7416	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	11517	1.930	ug/l	97
3) Chloromethane	1.518	50	11598	2.091	ug/l	99
4) Vinyl Chloride	1.599	62	14856	2.103	ug/l	99
5) Bromomethane	1.846	94	12510	2.349	ug/l	98
6) Chloroethane	1.923	64	9455	2.217	ug/l	98
7) Trichlorofluoromethane	2.129	101	21982	2.168	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	11650	2.198	ug/l	99
9) 1,1-Dichloroethene	2.570	96	11469	2.183	ug/l	99
10) Iodomethane	2.711	142	8386	1.886	ug/l	97
11) Allyl Chloride	2.910	41	15179	2.000	ug/l	92
12) Acrylonitrile	3.306	53	5284	4.022	ug/l	97
13) Acetone	2.618	43	10707	10.172	ug/l	99
14) Carbon Disulfide	2.779	76	29884	1.761	ug/l	97
15) Methylene Chloride	3.029	84	13588	2.197	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	12679	2.125	ug/l	96
17) 1,1-Dichloroethane	3.849	63	24826	2.245	ug/l	98
18) 2-Butanone	4.717	43	17869	10.962	ug/l	100
19) Cyclohexane	5.357	56	20151	2.152	ug/l	99
20) Methylcyclohexane	6.743	83	16656	1.830	ug/l	99
21) 2,2-Dichloropropane	4.644	77	19201	2.039	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	14551	2.248	ug/l	99
23) Diethyl Ether	2.370	59	9066	2.265	ug/l	94
24) tert-Butyl Alcohol	3.190	59	9981	20.656	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	30621	2.233	ug/l	95
26) Bromochloromethane	4.952	128	6006	2.222	ug/l	93
27) Chloroform	5.068	83	25415	2.252	ug/l	95
28) 1,1,1-Trichloroethane	5.293	97	19854	2.073	ug/l	96
29) 1,1-Dichloropropene	5.502	75	19114	2.155	ug/l	98
30) Carbon Tetrachloride	5.496	117	15127	1.963	ug/l	96
31) Isopropyl Ether	3.988	45	38568	2.311	ug/l	97
32) Ethyl-t-butyl ether	4.502	59	33853	2.192	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	23163	1.728	ug/l	98
34) Propionitrile	4.775	54	5508	11.090	ug/l #	95
35) Benzene	5.756	78	43678	1.832	ug/l	96
36) 1,2-Dichloroethane	5.779	62	13615	1.838	ug/l	100
37) Trichloroethene	6.528	130	11322	1.862	ug/l	90
38) 1,2-Dichloropropane	6.782	63	10377	1.860	ug/l	91
39) Methacrylonitrile	4.975	41	4501	2.039	ug/l	99
40) Methyl acrylate	4.853	55	6736	2.087	ug/l	98
41) Tetrahydrofuran	5.058	42	5573	4.799	ug/l	88
42) 1-Chlorobutane	5.438	56	23868	2.024	ug/l	99
43) Dibromomethane	6.910	93	5720	1.979	ug/l	92
44) Bromodichloromethane	7.097	83	11850	1.818	ug/l	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063535.D
 Acq On : 18 Jul 2025 11:50
 Operator : MD/SY
 Sample : VU0718WBS02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:49:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	31197	10.474	ug/l	97
46) t-1,4-Dichloro-2-butene	10.817	75	5188m	4.640	ug/l	
47) Methyl methacrylate	6.968	69	8996	3.707	ug/l	93
48) Ethyl methacrylate	8.335	69	9290	2.006	ug/l	99
49) Toluene	7.958	92	25746	1.978	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	7896	1.544	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	11136	1.623	ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	8183	2.103	ug/l	97
53) 1,3-Dichloropropane	8.569	76	13909	2.071	ug/l	99
54) 2-Hexanone	8.692	43	19855	10.036	ug/l	98
55) Dibromochloromethane	8.801	129	6602	1.606	ug/l	99
56) 1,2-Dibromoethane	8.917	107	6737	1.935	ug/l	99
58) Tetrachloroethene	8.540	164	10524	1.891	ug/l	94
59) Chlorobenzene	9.441	112	29416	1.968	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	8208	1.708	ug/l	97
61) Pentachloroethane	11.418	117	6154	1.812	ug/l	89
62) Hexachloroethane	12.466	117	5086	1.512	ug/l	93
63) Ethyl Benzene	9.560	91	50124	1.949	ug/l	97
64) m/p-Xylenes	9.685	106	38644	3.865	ug/l	94
65) o-Xylene	10.090	106	18729	1.950	ug/l	96
66) Styrene	10.110	104	30077	1.964	ug/l	98
67) Bromoform	10.283	173	3032	1.436	ug/l #	94
69) Isopropylbenzene	10.476	105	46030	1.982	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	9398	1.985	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	7499m	1.950	ug/l	
72) Bromobenzene	10.775	156	11376	1.898	ug/l	78
73) n-propylbenzene	10.897	120	13872	1.984	ug/l	94
74) 2-Chlorotoluene	10.978	126	11750	1.902	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	42877	1.933	ug/l	99
76) 4-Chlorotoluene	11.090	126	12663	2.018	ug/l	99
77) tert-Butylbenzene	11.412	119	41361	1.951	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	43519	1.977	ug/l	98
79) sec-Butylbenzene	11.634	105	57444	2.009	ug/l	98
80) Nitrobenzene	13.219	77	614	8.625	ug/l #	52
81) p-Isopropyltoluene	11.785	119	47010	1.969	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	23706	1.977	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	24286	2.023	ug/l	99
84) n-Butylbenzene	12.203	91	44796	2.024	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	23077	2.048	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1197	1.944	ug/l	86
87) 1,2,4-Trichlorobenzene	13.836	180	13513	1.929	ug/l	97
88) Hexachlorobutadiene	14.013	225	7537	1.894	ug/l	96
89) Naphthalene	14.084	128	25302	2.015	ug/l	98
90) 1,2,3-Trichlorobenzene	14.322	180	12842	1.983	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

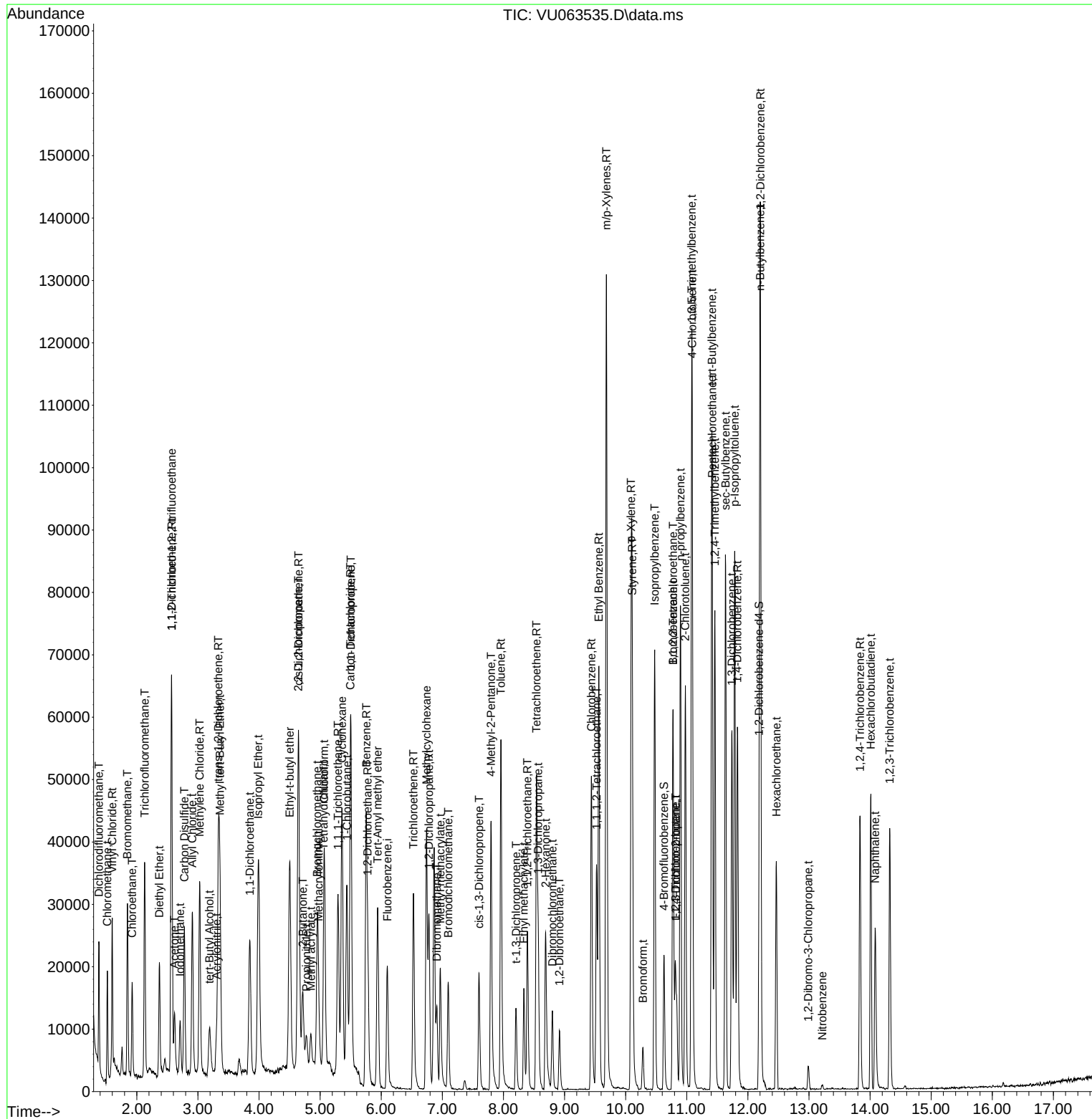
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Data File : VU063535.D
Acq On : 18 Jul 2025 11:50
Operator : MD/SY
Sample : VU0718WBS02
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

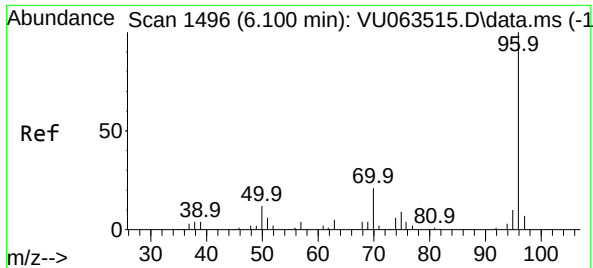
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 07/21/2025
Supervised By : Semsettin Yesilyurt 07/21/2025

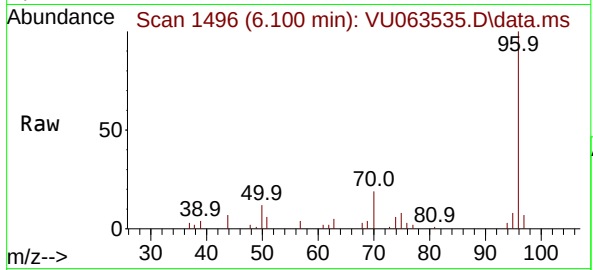
Quant Time: Jul 18 23:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

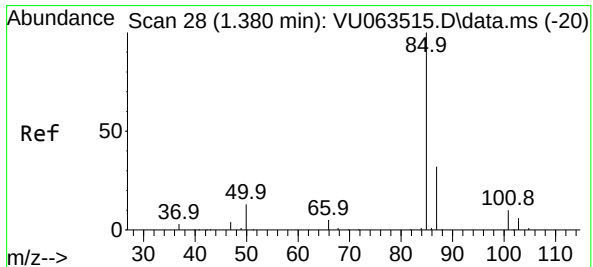
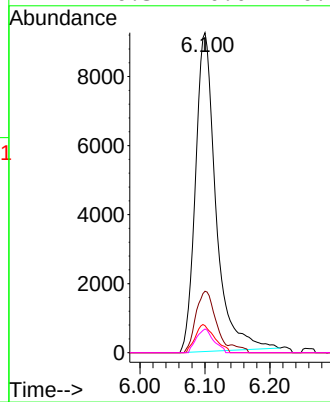
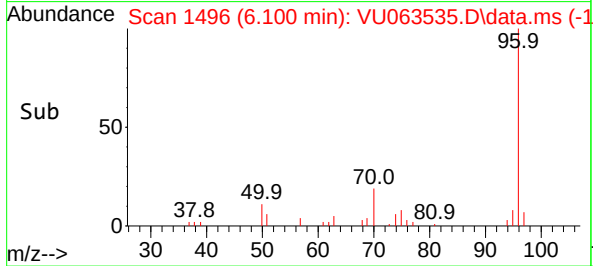
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



Tgt Ion: 96 Resp: 2023
Ion Ratio Lower Upper
96 100
70 16.5 15.0 22.4
95 8.3 7.4 11.0
97 6.3 0.0 0.0#

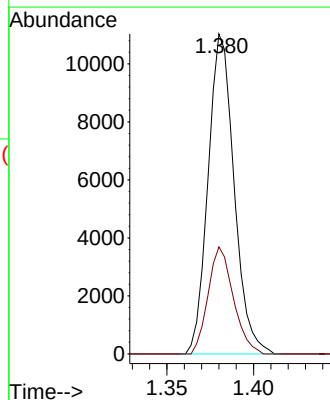
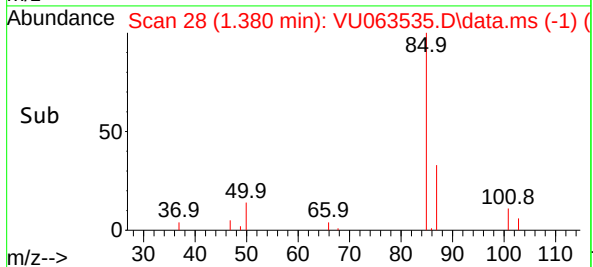
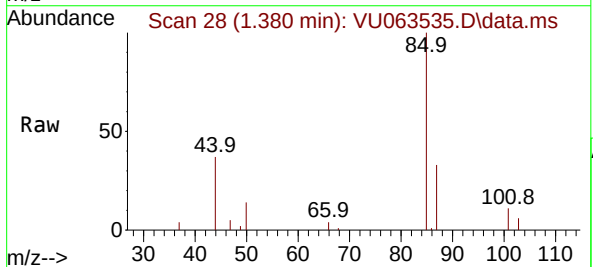
Manual Integrations
APPROVED

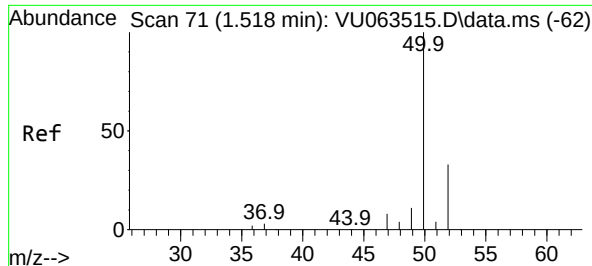
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#2
Dichlorodifluoromethane
Concen: 1.930 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion: 85 Resp: 11517
Ion Ratio Lower Upper
85 100
87 33.5 16.0 47.9





#3

Chloromethane

Concen: 2.091 ug/l

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 50 Resp: 11598

Ion Ratio Lower Upper

50 100

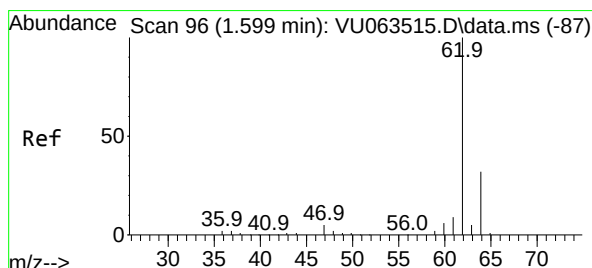
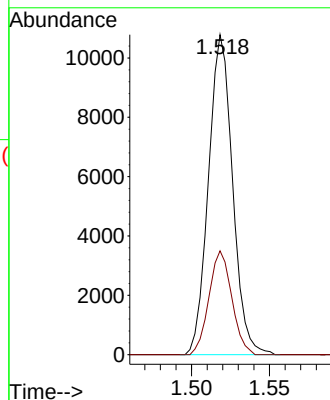
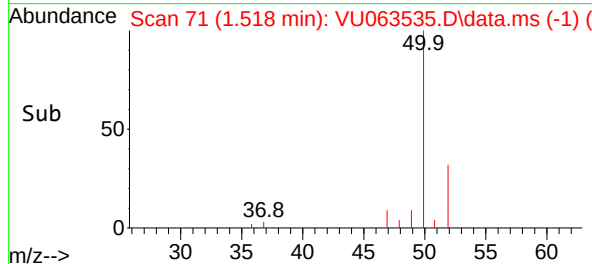
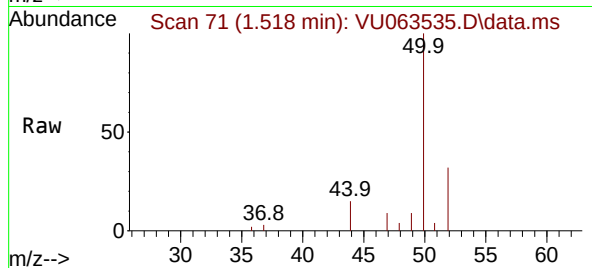
52 32.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#4

Vinyl Chloride

Concen: 2.103 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU063535.D

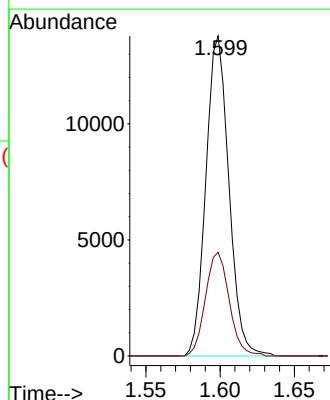
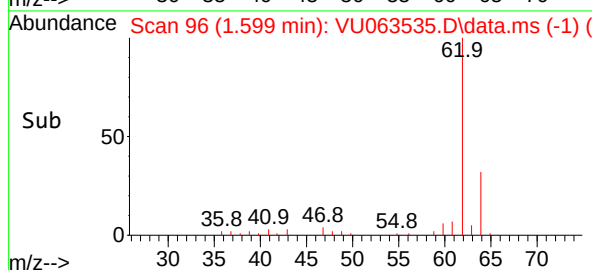
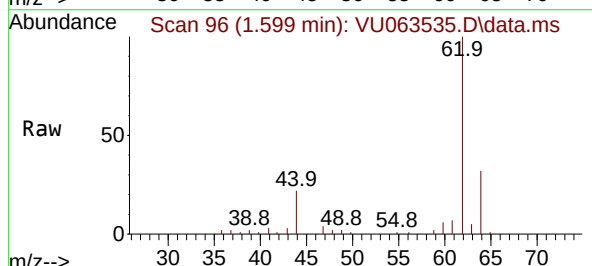
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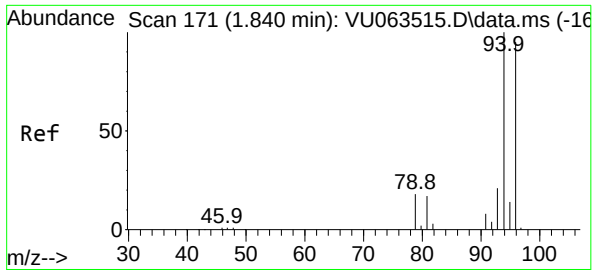
Tgt Ion: 62 Resp: 14856

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





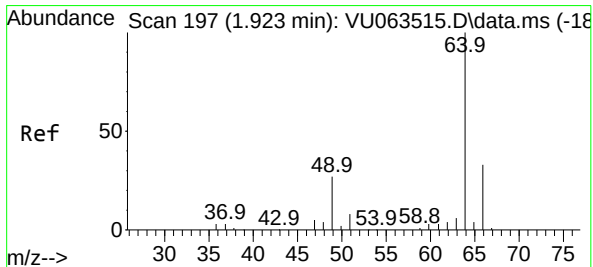
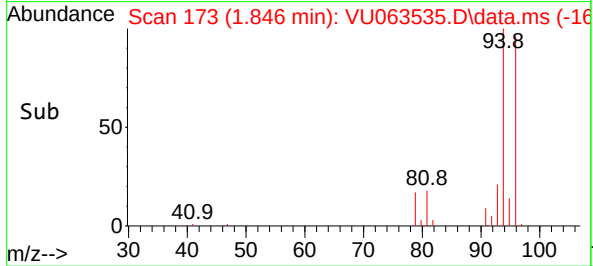
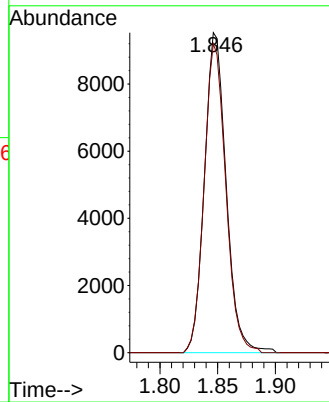
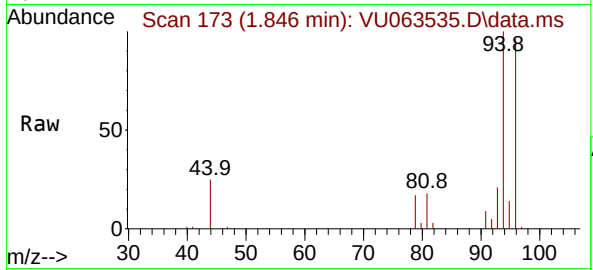
#5
Bromomethane
Concen: 2.349 ug/l
RT: 1.846 min Scan# 171
Delta R.T. 0.006 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 94 Resp: 12510
Ion Ratio Lower Upper
94 100
96 96.5 75.8 113.6

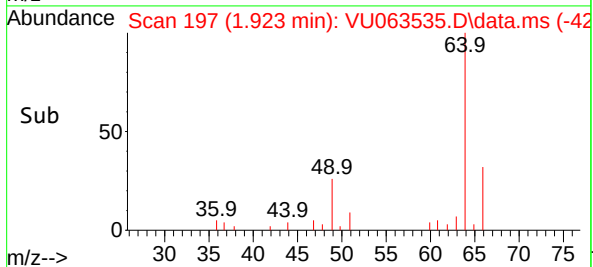
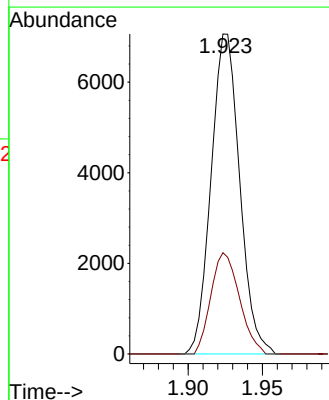
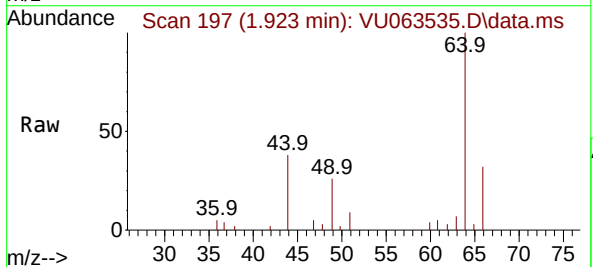
Manual Integrations
APPROVED

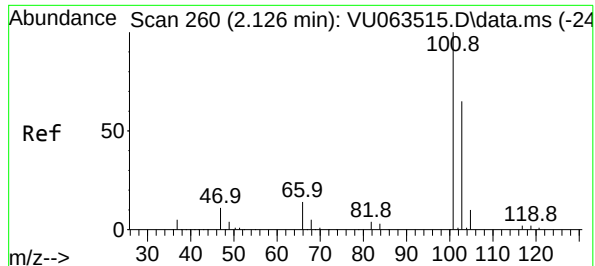
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#6
Chloroethane
Concen: 2.217 ug/l
RT: 1.923 min Scan# 197
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion: 64 Resp: 9455
Ion Ratio Lower Upper
64 100
66 31.6 26.2 39.4





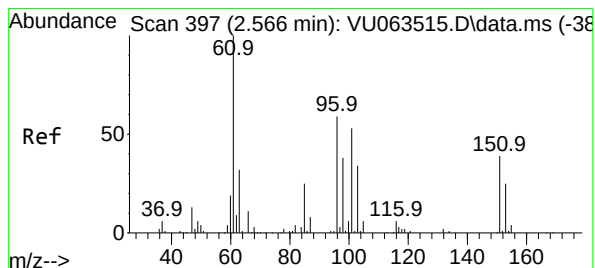
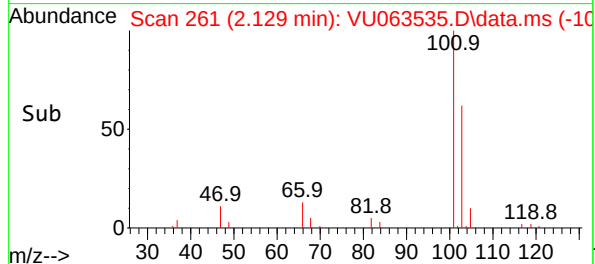
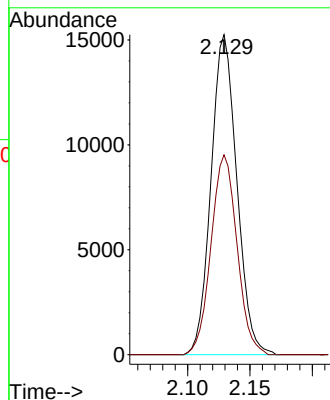
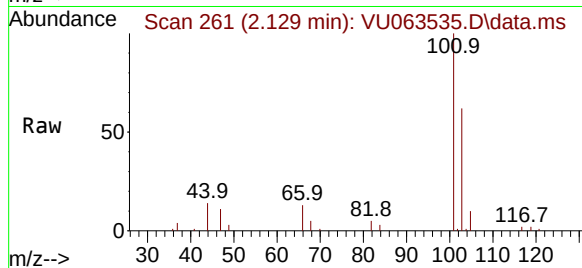
#7
 Trichlorofluoromethane
 Concen: 2.168 ug/l
 RT: 2.129 min Scan# 201
 Delta R.T. 0.003 min
 Lab File: VU063535.D
 Acq: 18 Jul 2025 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBS02

Tgt Ion:101 Resp: 2198
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.2 78.4

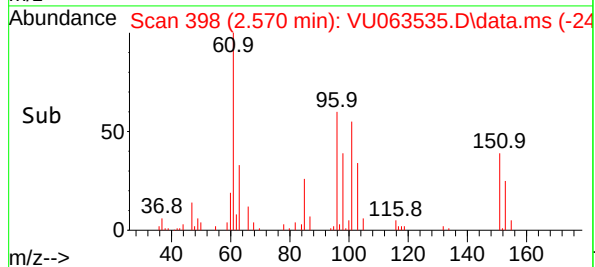
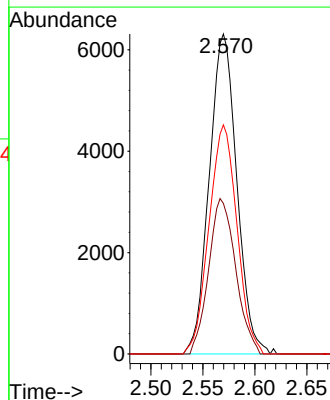
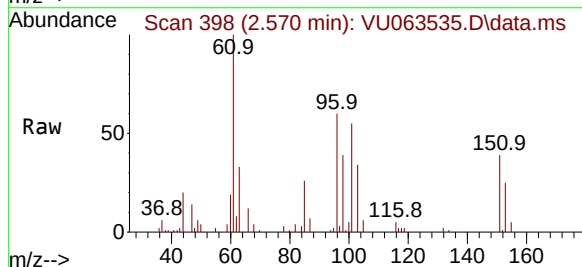
Manual Integrations
 APPROVED

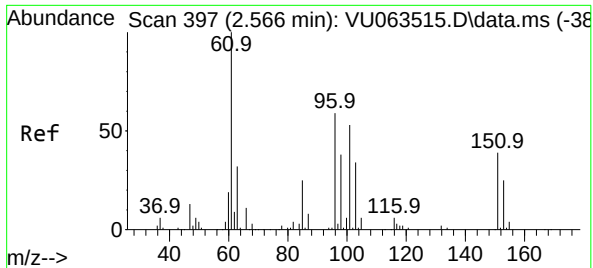
Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.198 ug/l
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063535.D
 Acq: 18 Jul 2025 11:50

Tgt Ion:101 Resp: 11650
 Ion Ratio Lower Upper
 101 100
 85 47.7 37.8 56.6
 151 72.7 59.2 88.8





#9

1,1-Dichloroethene

Concen: 2.183 ug/l

RT: 2.570 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 96 Resp: 11469

Ion Ratio Lower Upper

96 100

61 167.6 0.0 504.3

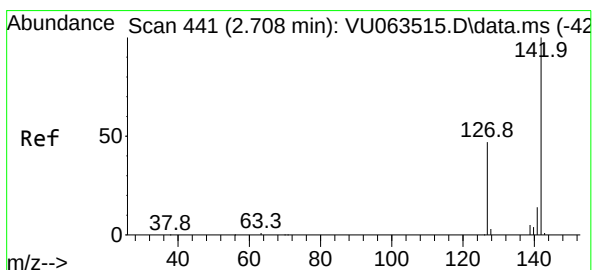
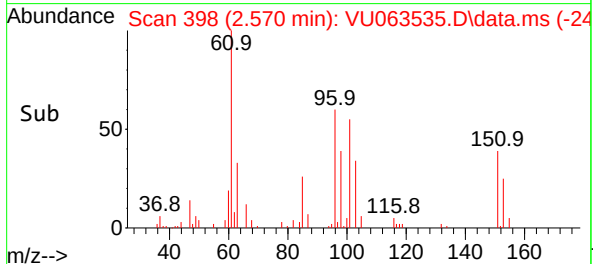
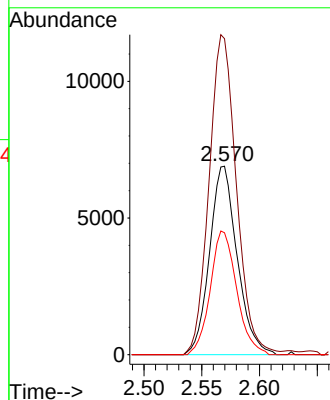
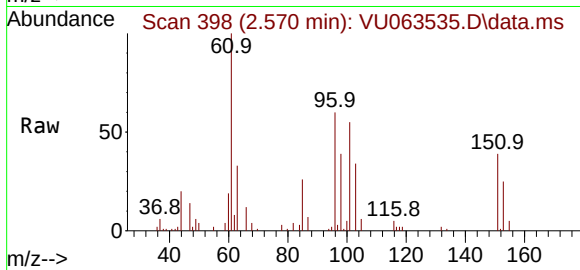
98 64.7 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#10

Iodomethane

Concen: 1.886 ug/l

RT: 2.711 min Scan# 442

Delta R.T. 0.003 min

Lab File: VU063535.D

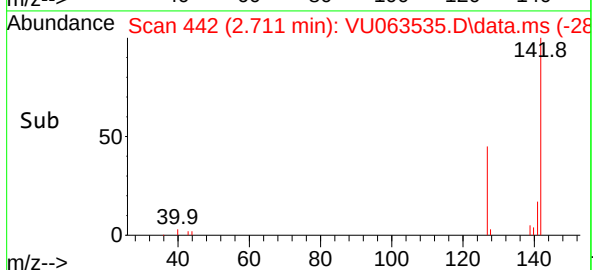
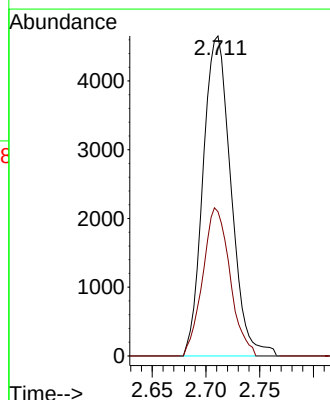
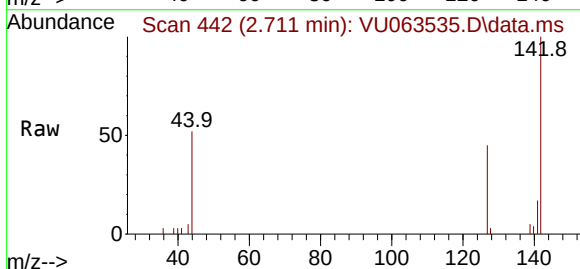
Acq: 18 Jul 2025 11:50

Tgt Ion:142 Resp: 8386

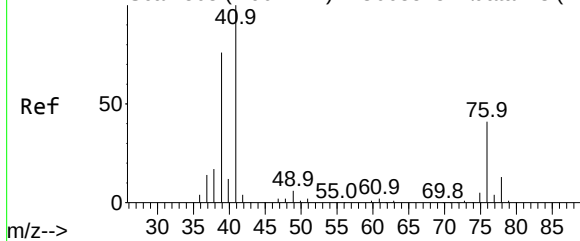
Ion Ratio Lower Upper

142 100

127 45.2 37.9 56.9



Abundance Scan 503 (2.907 min): VU063515.D\data.ms (-48



#11

Allyl Chloride

Concen: 2.000 ug/l

RT: 2.910 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 41 Resp: 15179

Ion Ratio Lower Upper

41 100

39 84.0 61.5 92.3

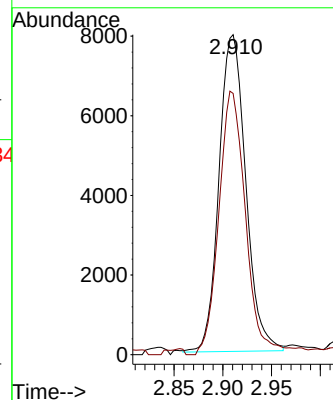
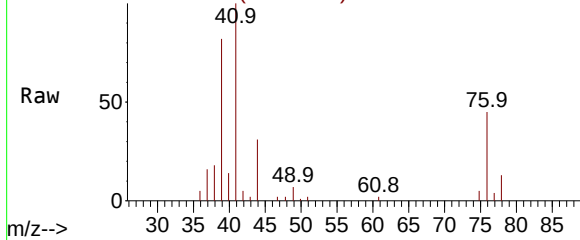
Manual Integrations

APPROVED

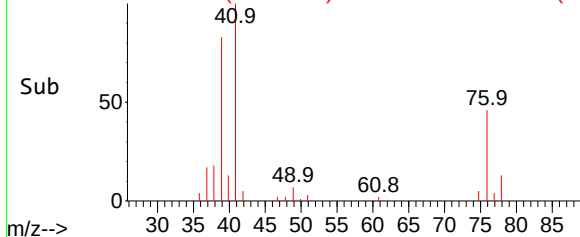
Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025

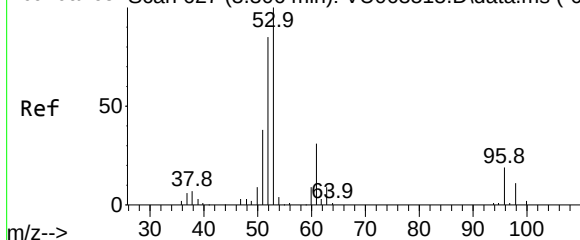
Abundance Scan 504 (2.910 min): VU063535.D\data.ms



Abundance Scan 504 (2.910 min): VU063535.D\data.ms (-34



Abundance Scan 627 (3.306 min): VU063515.D\data.ms (-61



#12

Acrylonitrile

Concen: 4.022 ug/l

RT: 3.306 min Scan# 627

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion: 53 Resp: 5284

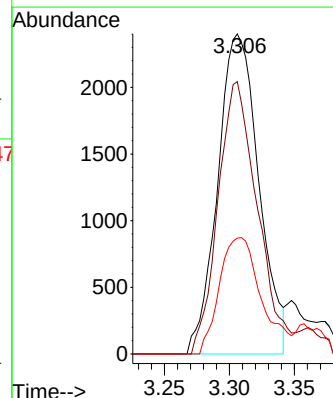
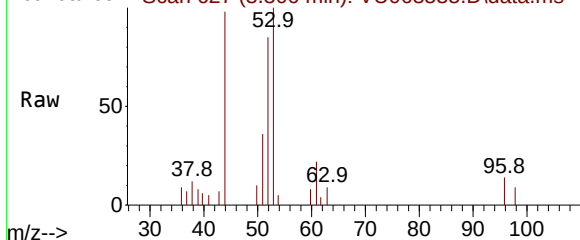
Ion Ratio Lower Upper

53 100

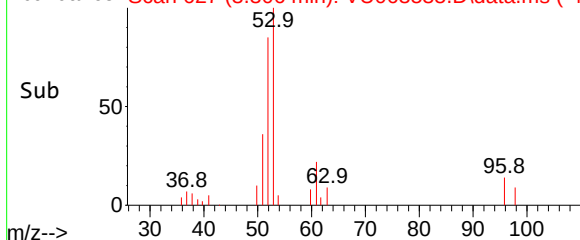
52 82.2 64.3 96.5

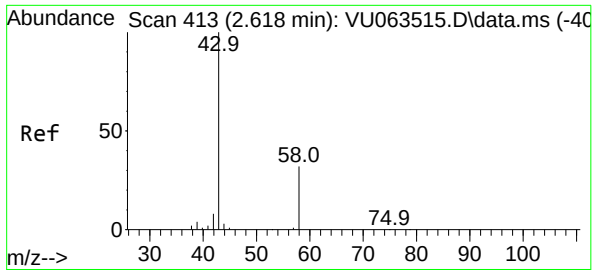
51 37.2 27.8 41.8

Abundance Scan 627 (3.306 min): VU063535.D\data.ms



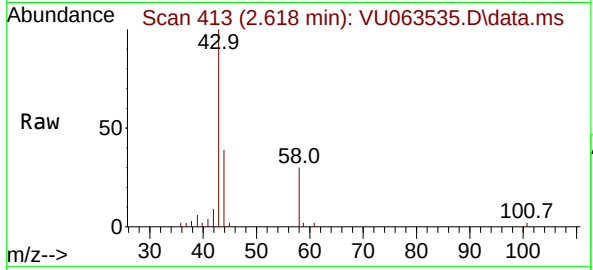
Abundance Scan 627 (3.306 min): VU063535.D\data.ms (-47





#13
Acetone
Concen: 10.172 ug/l
RT: 2.618 min Scan# 413
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

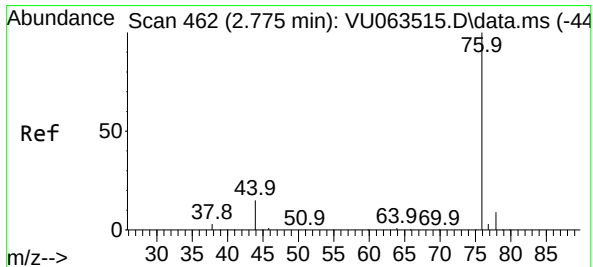
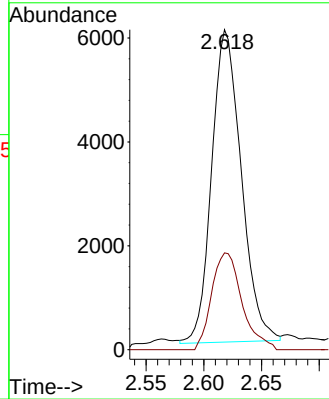
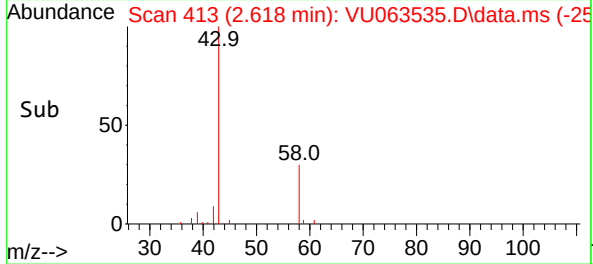
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



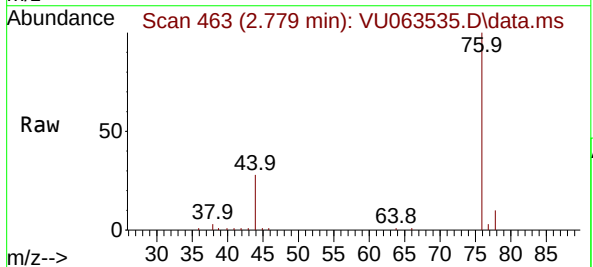
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 31.2 25.4 38.0

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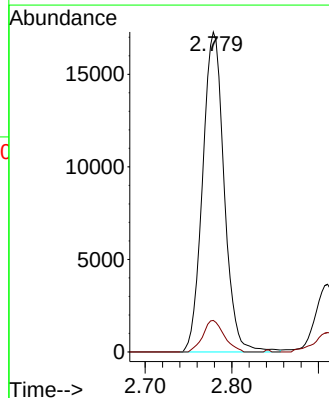
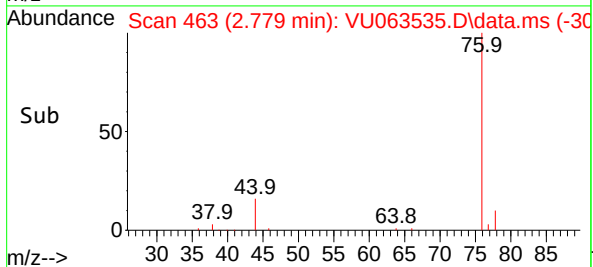
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

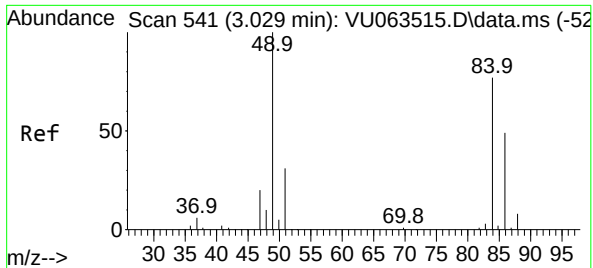


#14
Carbon Disulfide
Concen: 1.761 ug/l
RT: 2.779 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



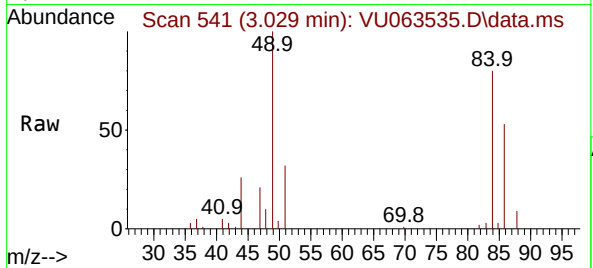
Tgt Ion: 76 Resp: 29884
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6





#15
Methylene Chloride
Concen: 2.197 ug/l
RT: 3.029 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

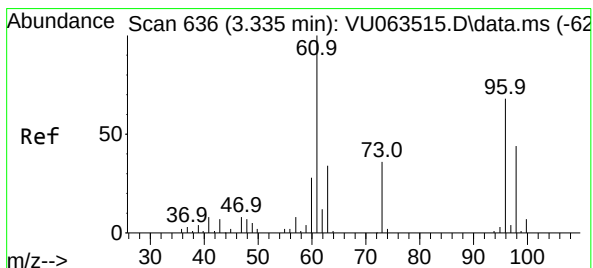
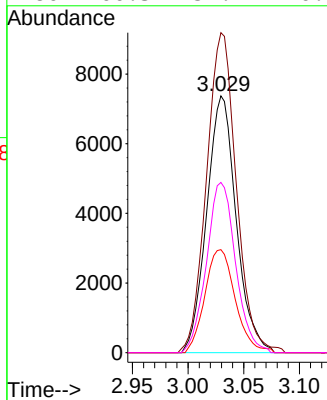
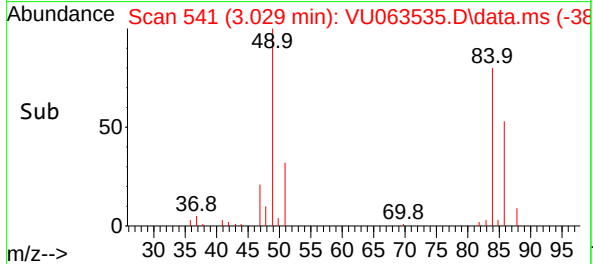
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



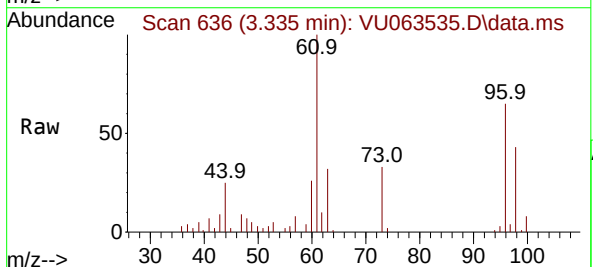
Tgt Ion: 84 Resp: 1358
Ion Ratio Lower Upper
84 100
49 124.6 103.8 155.8
51 40.1 0.0 80.4
86 66.3 51.1 76.7

Manual Integrations
APPROVED

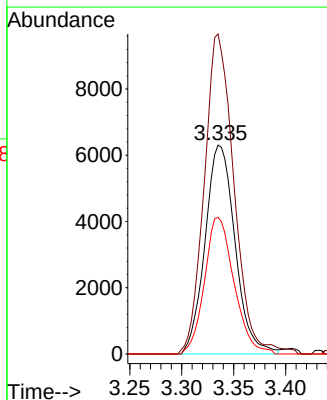
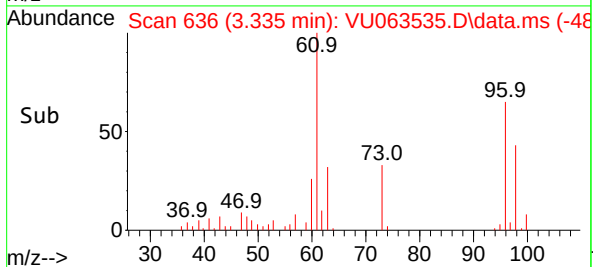
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

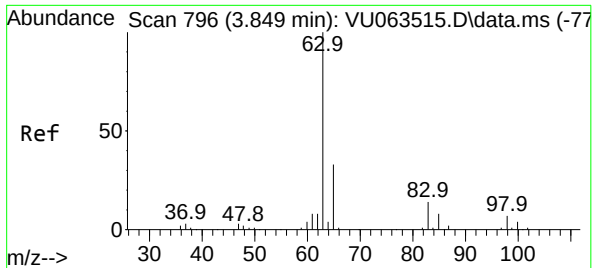


#16
trans-1,2-Dichloroethene
Concen: 2.125 ug/l
RT: 3.335 min Scan# 636
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion: 96 Resp: 12679
Ion Ratio Lower Upper
96 100
61 153.3 117.2 175.8
98 65.4 51.4 77.2





#17

1,1-Dichloroethane

Concen: 2.245 ug/l

RT: 3.849 min Scan# 796

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

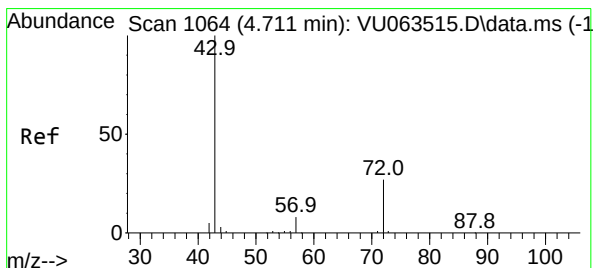
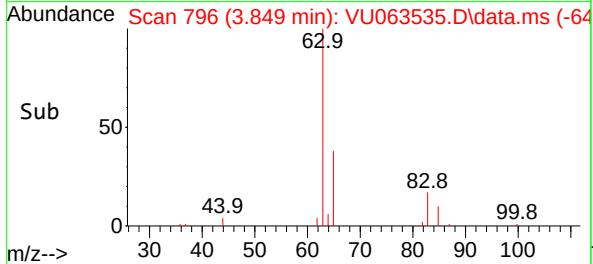
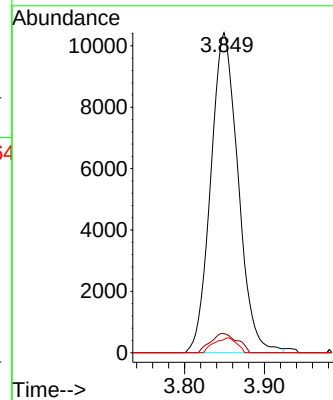
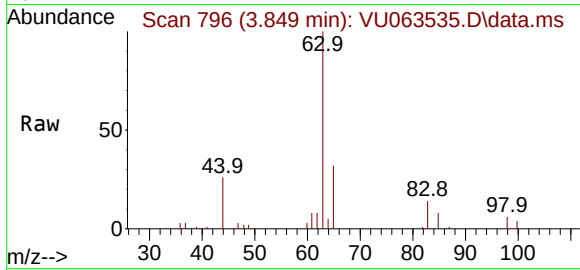
ClientSampleId :

VU0718WBS02

Tgt Ion:	63	Resp:	24820
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.4	10.2
100	4.1	2.1	6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#18

2-Butanone

Concen: 10.962 ug/l

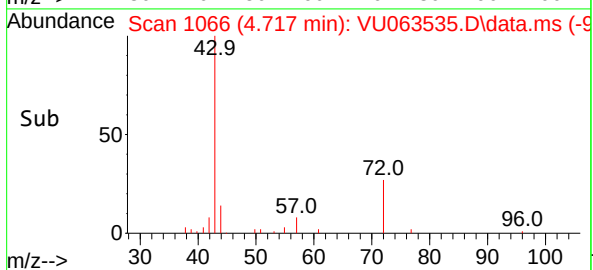
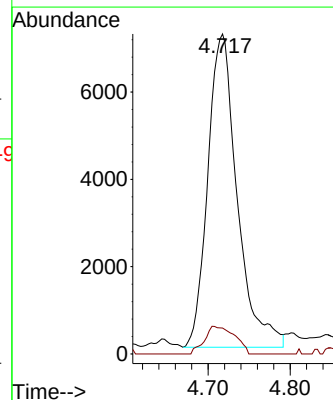
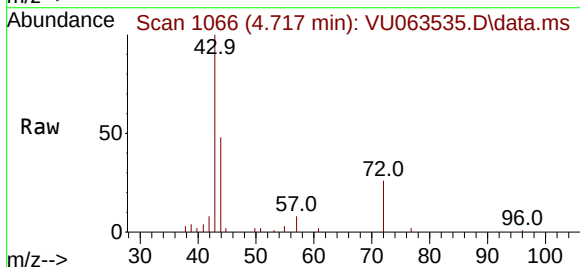
RT: 4.717 min Scan# 1066

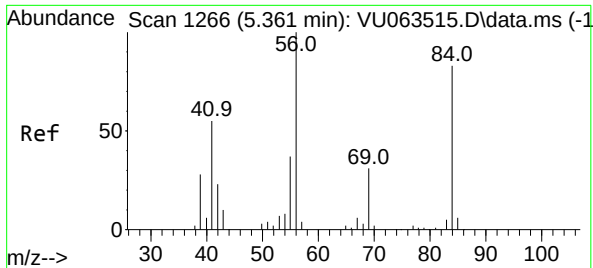
Delta R.T. 0.006 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	43	Resp:	17869
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	16.4





#19

Cyclohexane

Concen: 2.152 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 56 Resp: 2015

Ion Ratio Lower Upper

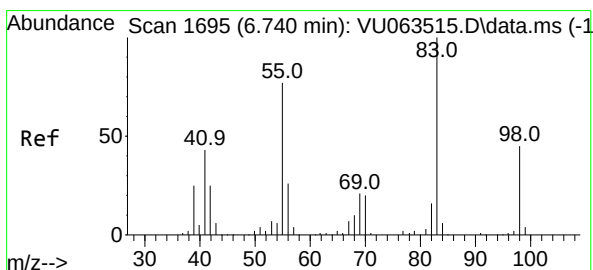
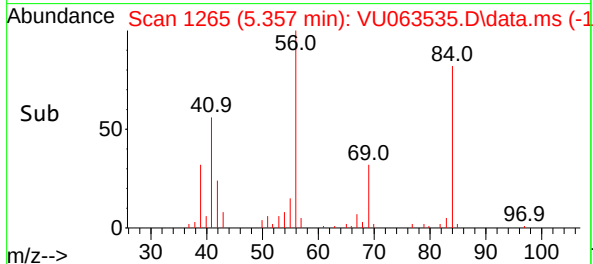
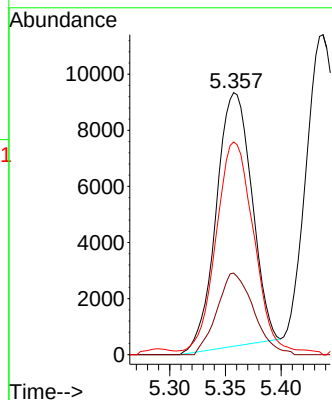
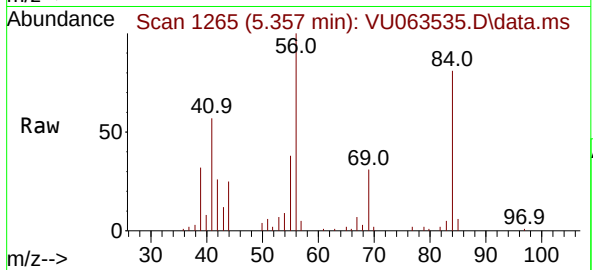
56 100

69 33.0 26.6 39.8

84 87.8 71.0 106.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#20

Methylcyclohexane

Concen: 1.830 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

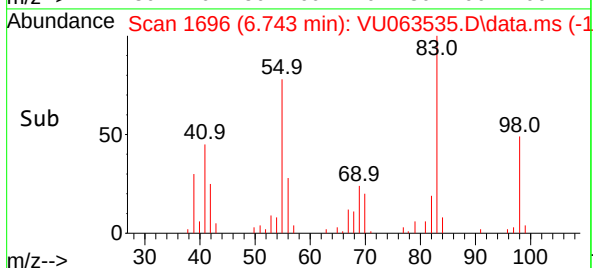
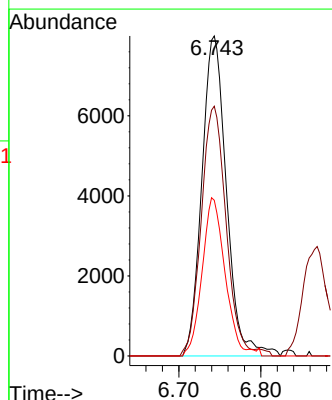
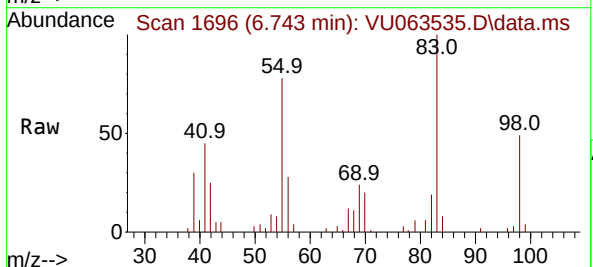
Tgt Ion: 83 Resp: 16656

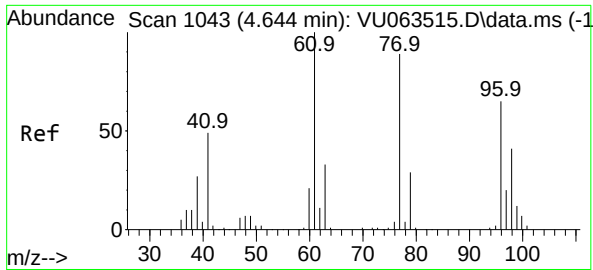
Ion Ratio Lower Upper

83 100

55 75.8 60.6 90.8

98 46.4 35.8 53.8





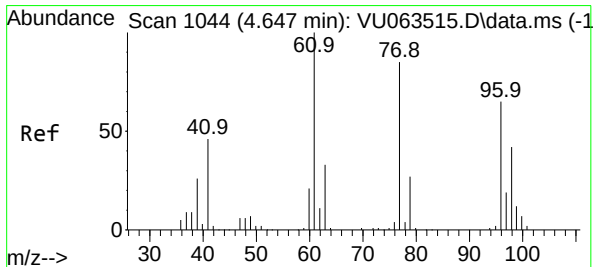
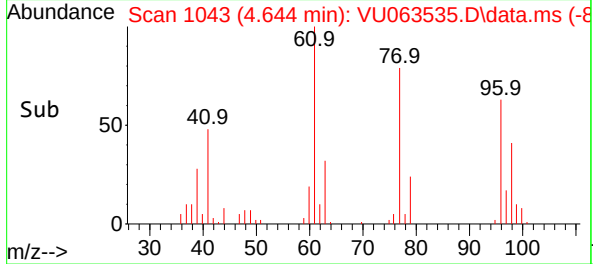
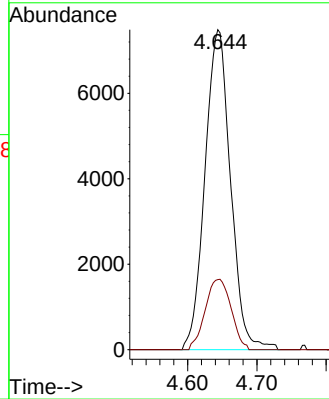
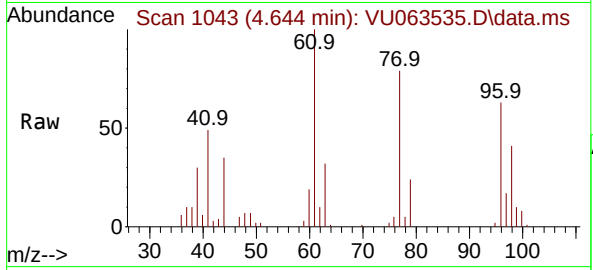
#21
2,2-Dichloropropane
Concen: 2.039 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 77 Resp: 1920
Ion Ratio Lower Upper
77 100
97 22.2 17.8 26.8

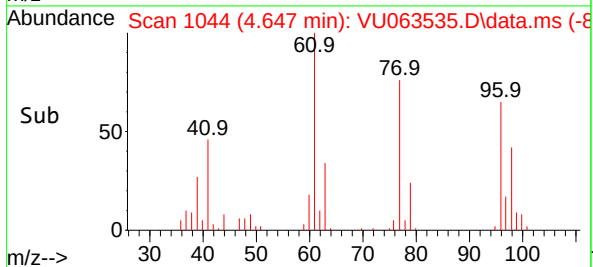
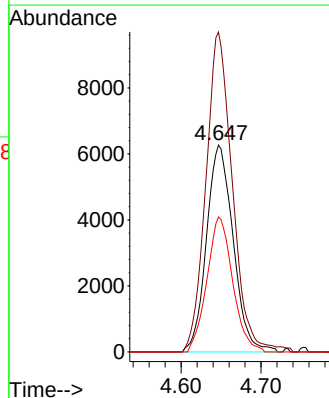
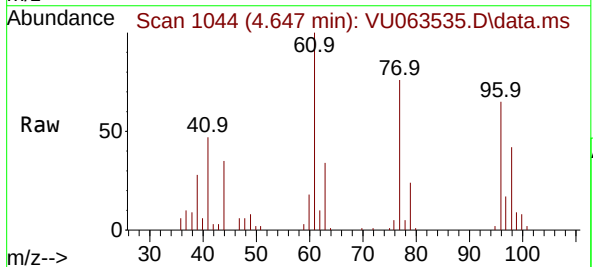
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

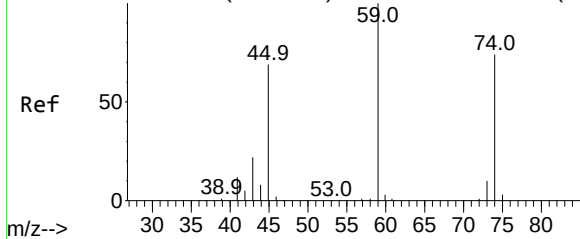


#22
cis-1,2-Dichloroethene
Concen: 2.248 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion: 96 Resp: 14551
Ion Ratio Lower Upper
96 100
61 153.3 0.0 384.7
98 62.8 32.1 96.3



Abundance Scan 335 (2.367 min): VU063515.D\data.ms (-32



#23

Diethyl Ether

Concen: 2.265 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 59 Resp: 906

Ion Ratio Lower Upper

59 100

45 74.1 55.1 82.7

74 68.5 58.2 87.4

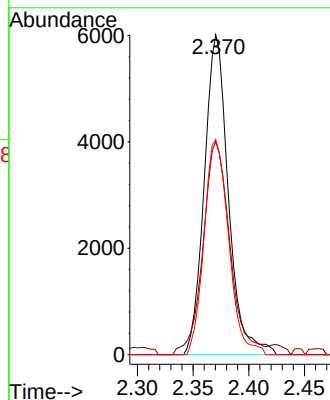
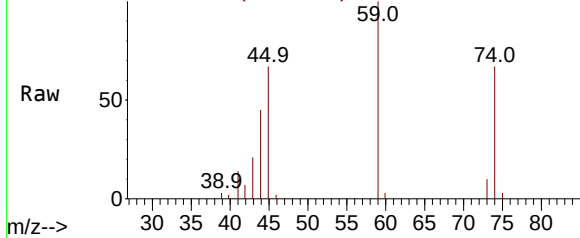
Manual Integrations

APPROVED

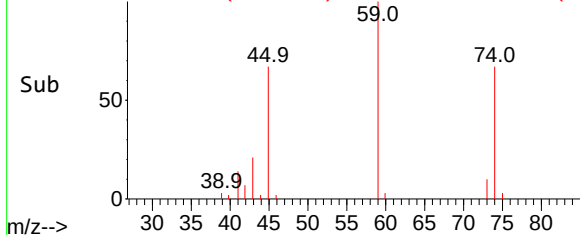
Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025

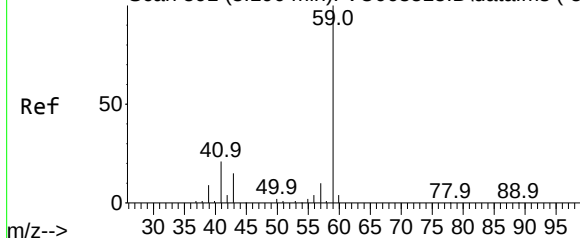
Abundance Scan 336 (2.370 min): VU063535.D\data.ms



Abundance Scan 336 (2.370 min): VU063535.D\data.ms (-18



Abundance Scan 591 (3.190 min): VU063515.D\data.ms (-57



#24

tert-Butyl Alcohol

Concen: 20.656 ug/l

RT: 3.190 min Scan# 591

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

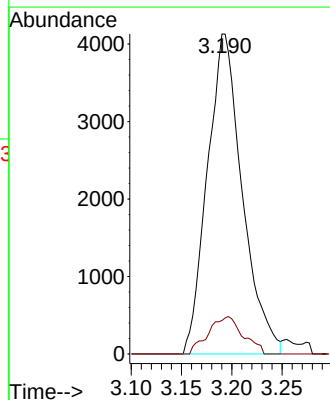
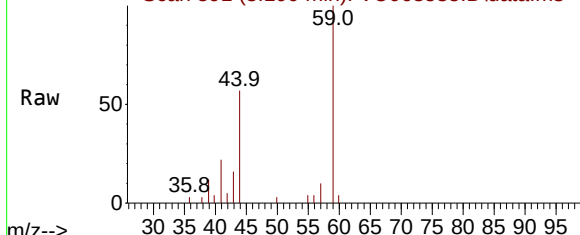
Tgt Ion: 59 Resp: 9981

Ion Ratio Lower Upper

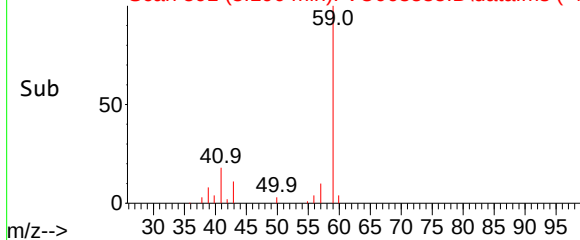
59 100

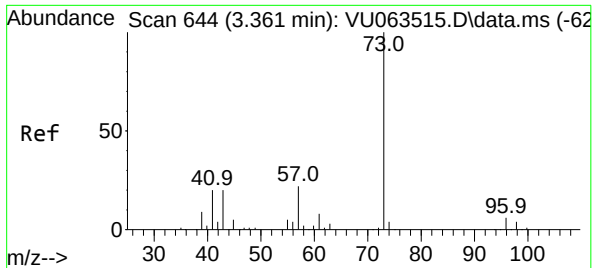
57 11.6 8.6 12.8

Abundance Scan 591 (3.190 min): VU063535.D\data.ms



Abundance Scan 591 (3.190 min): VU063535.D\data.ms (-43





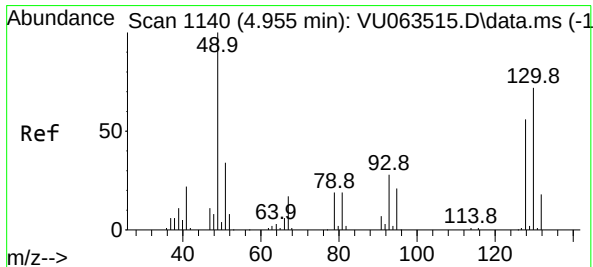
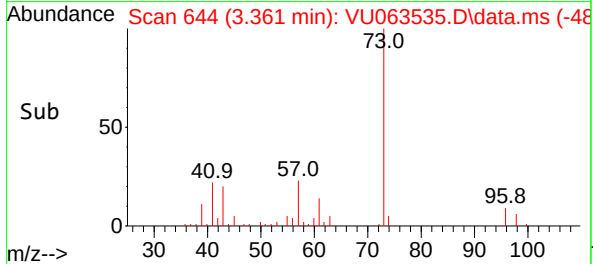
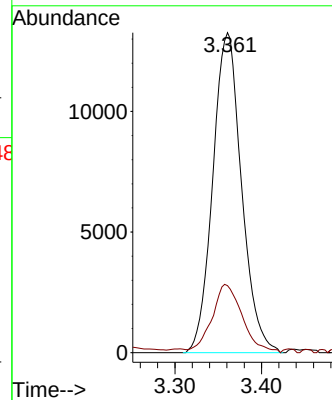
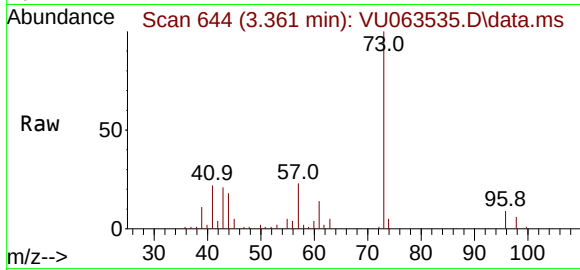
#25
Methyl tert-Butyl Ether
Concen: 2.233 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 73 Resp: 3062
Ion Ratio Lower Upper
73 100
43 22.6 16.2 24.2

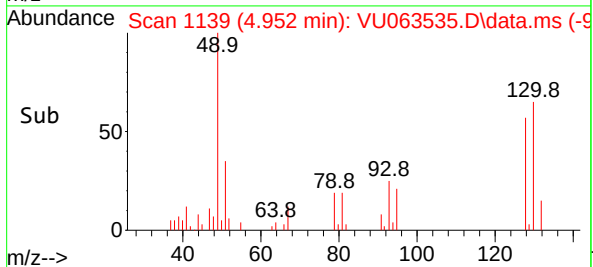
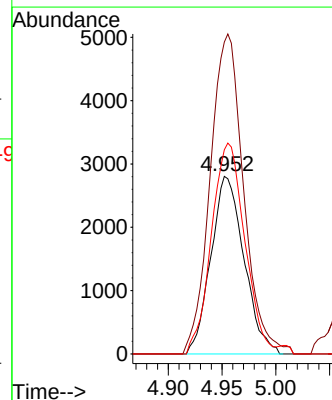
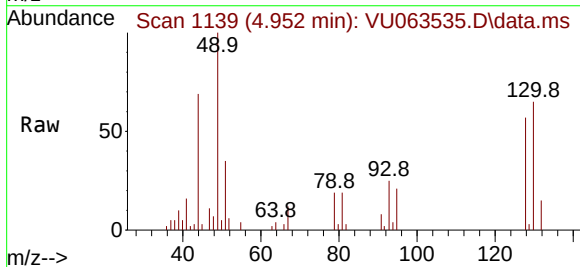
Manual Integrations
APPROVED

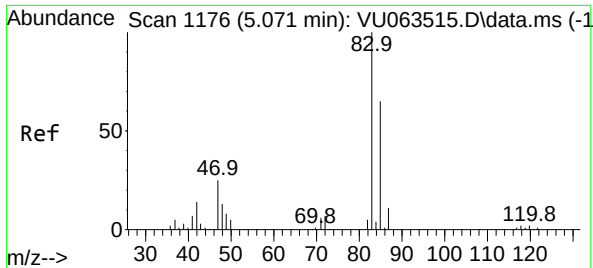
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#26
Bromochloromethane
Concen: 2.222 ug/l
RT: 4.952 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion:128 Resp: 6006
Ion Ratio Lower Upper
128 100
49 181.8 0.0 340.8
130 119.6 100.5 150.7





#27

Chloroform

Concen: 2.252 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 83 Resp: 2541

Ion Ratio Lower Upper

83 100

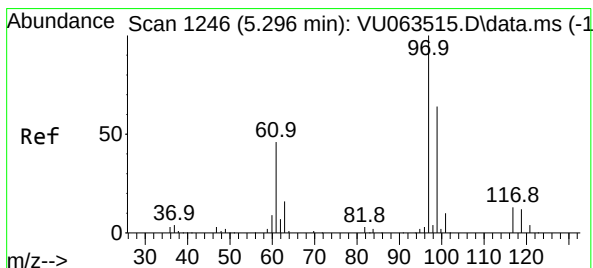
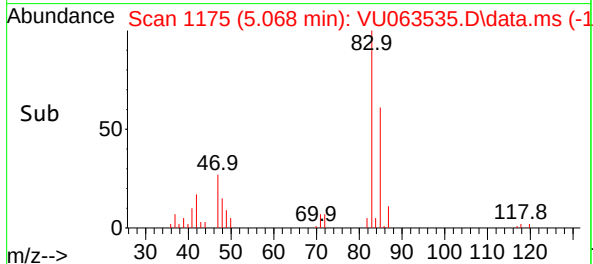
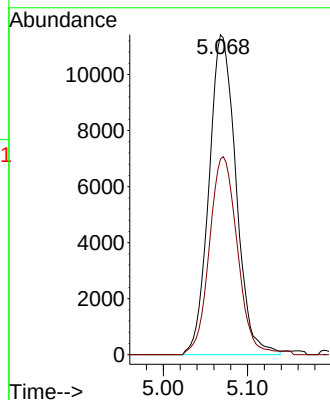
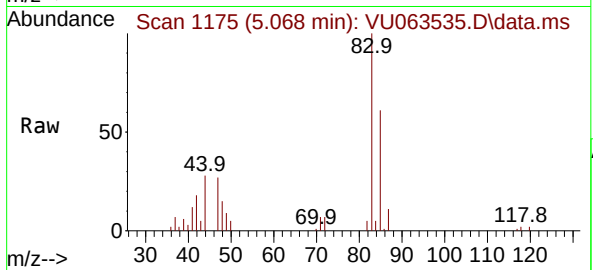
85 61.1 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#28

1,1,1-Trichloroethane

Concen: 2.073 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

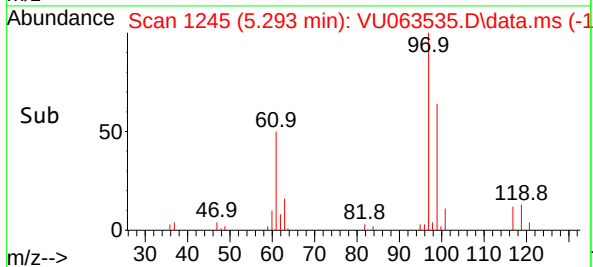
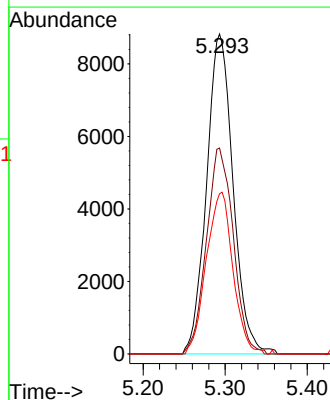
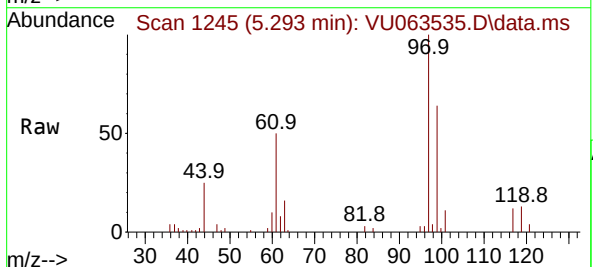
Tgt Ion: 97 Resp: 19854

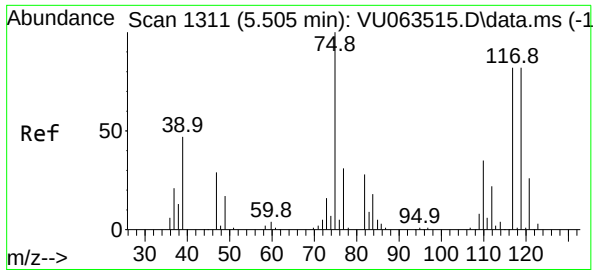
Ion Ratio Lower Upper

97 100

99 65.2 31.8 95.3

61 50.8 23.3 69.9





#29

1,1-Dichloropropene

Concen: 2.155 ug/l

RT: 5.502 min Scan# 1114

Delta R.T. -0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

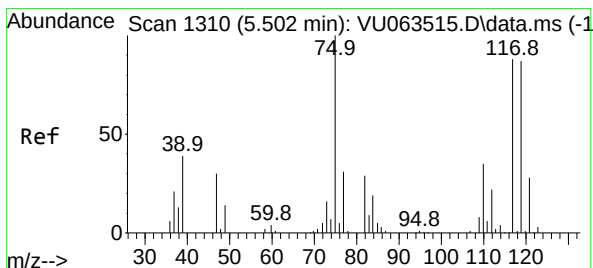
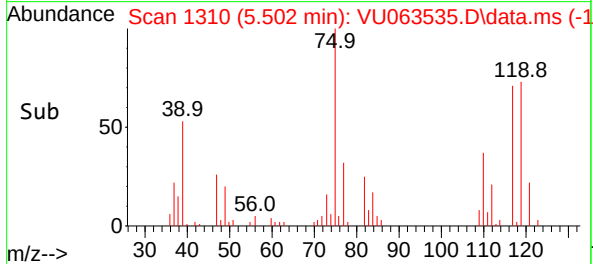
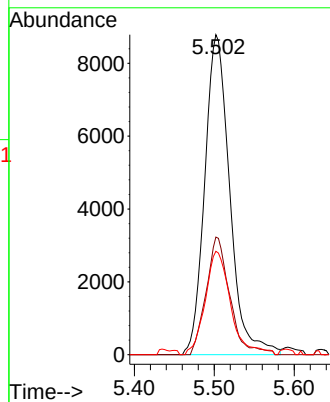
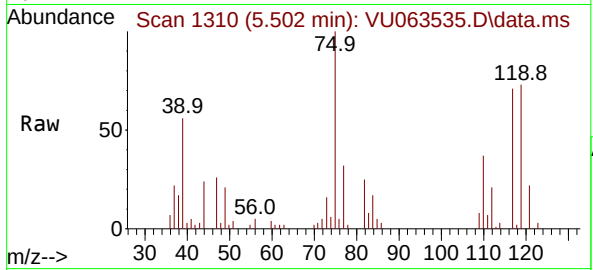
VU0718WBS02

Tgt Ion:	75	Resp:	19114
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.8	53.4
77	32.8	24.6	37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 1.963 ug/l

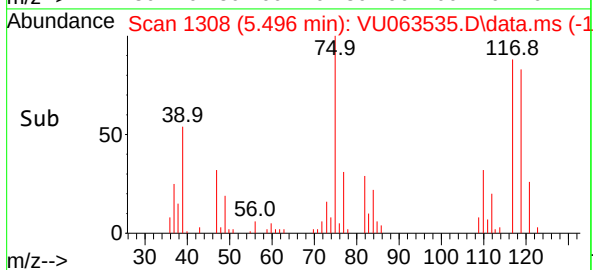
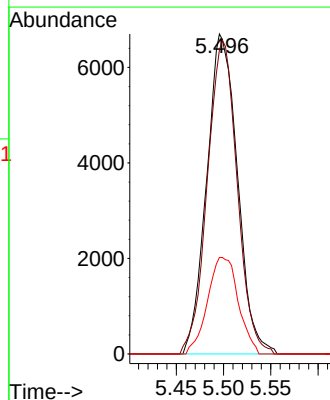
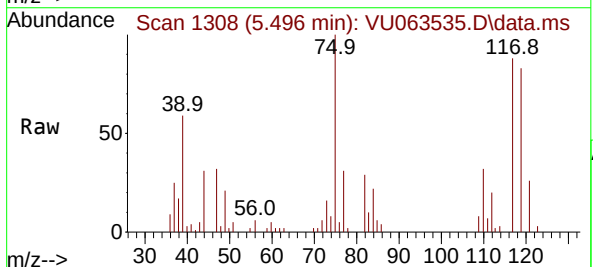
RT: 5.496 min Scan# 1308

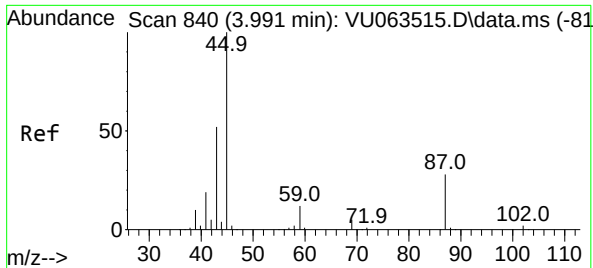
Delta R.T. -0.006 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	117	Resp:	15127
Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.2	118.8
121	30.1	25.5	38.3





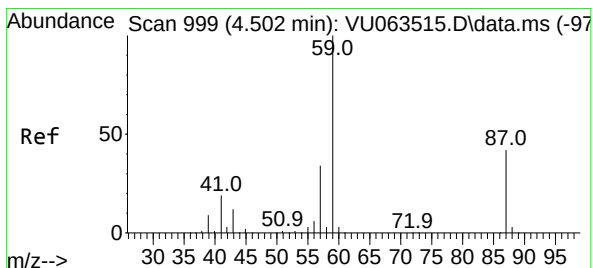
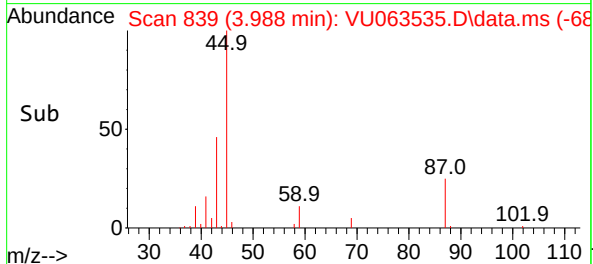
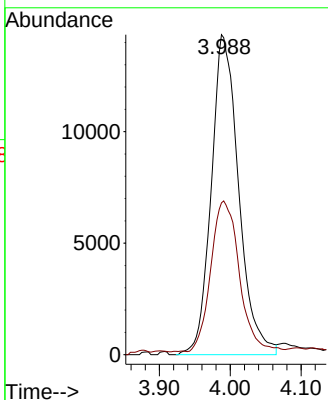
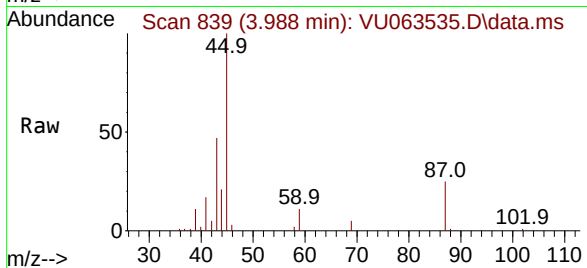
#31
Isopropyl Ether
Concen: 2.311 ug/l
RT: 3.988 min Scan# 840
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 45 Resp: 3856
Ion Ratio Lower Upper
45 100
43 49.0 25.7 77.0

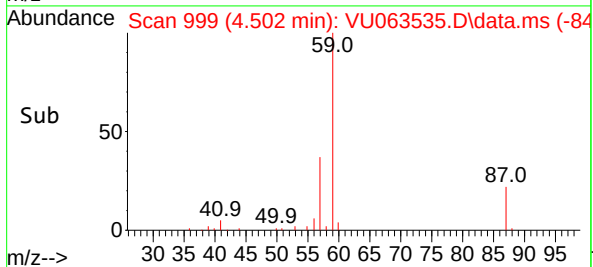
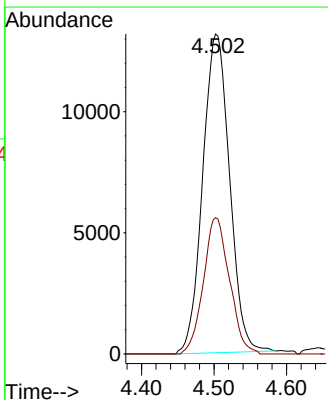
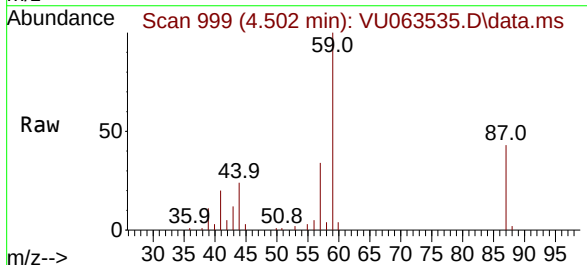
Manual Integrations
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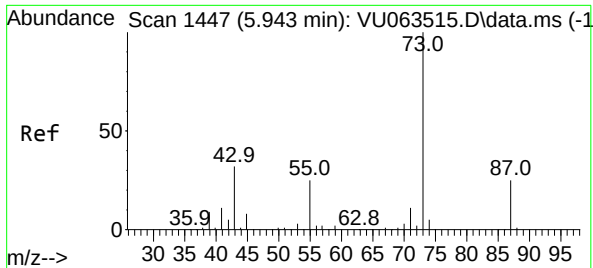
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#32
Ethyl-t-butyl ether
Concen: 2.192 ug/l
RT: 4.502 min Scan# 999
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion: 59 Resp: 33853
Ion Ratio Lower Upper
59 100
87 41.5 32.6 49.0





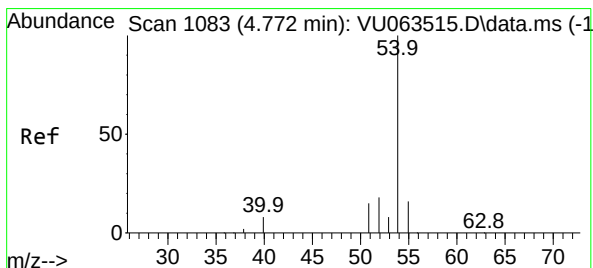
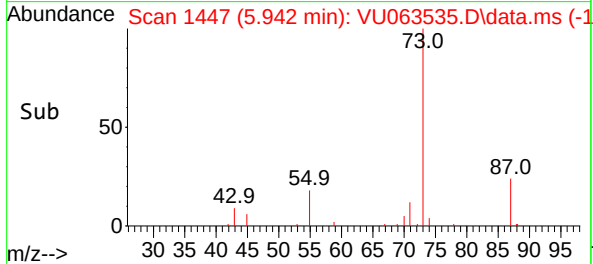
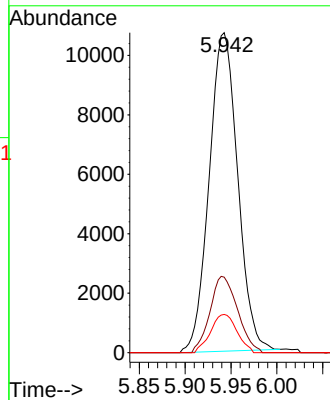
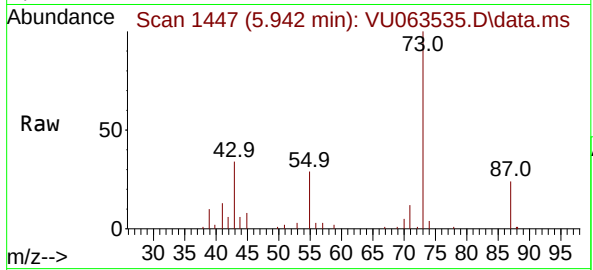
#33
Tert-Amyl methyl ether
Concen: 1.728 ug/l
RT: 5.942 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.2	19.4	29.2
71	11.1	8.9	13.3

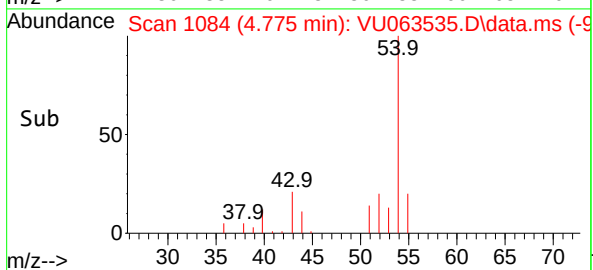
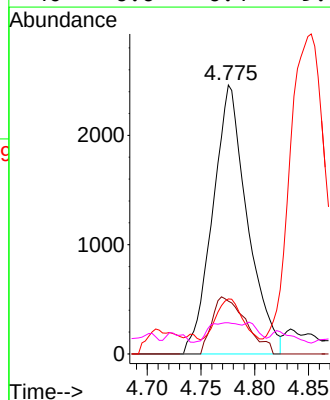
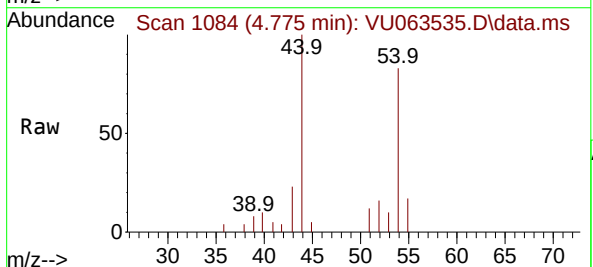
Manual Integrations
APPROVED

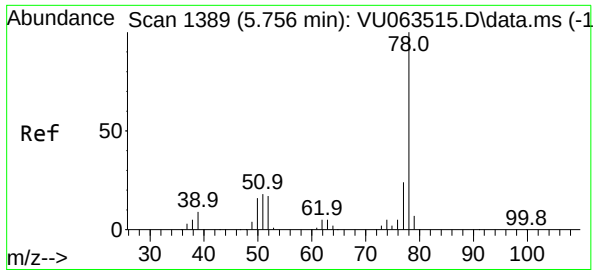
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#34
Propionitrile
Concen: 11.090 ug/l
RT: 4.775 min Scan# 1084
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.7	17.0	25.4
55	12.0	13.6	20.4#
40	6.6	6.4	9.6





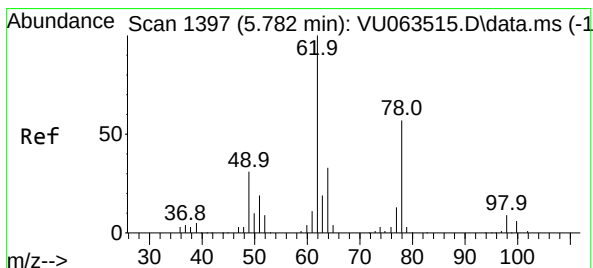
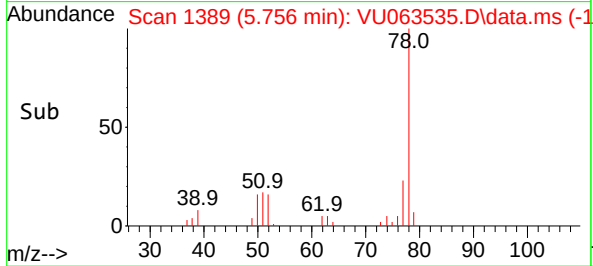
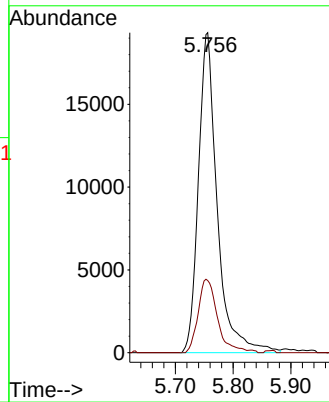
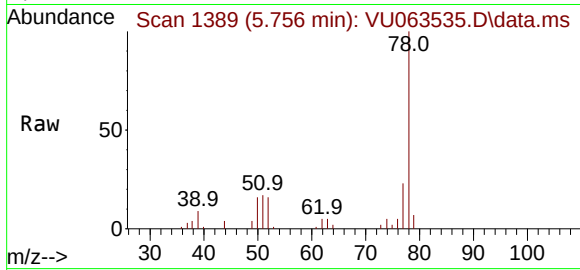
#35
Benzene
Concen: 1.832 ug/l
RT: 5.756 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 78 Resp: 43678
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.2

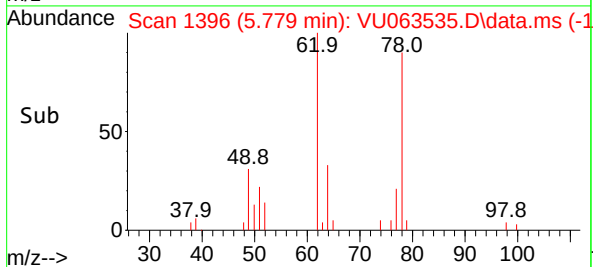
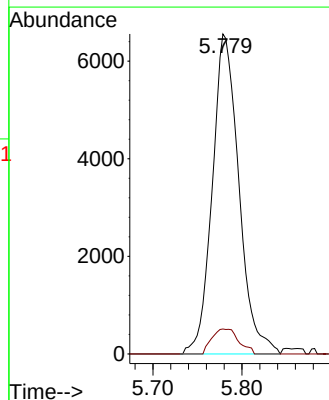
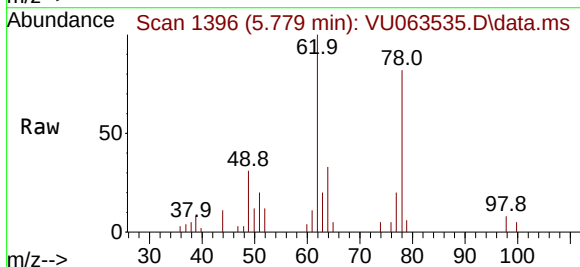
Manual Integrations
APPROVED

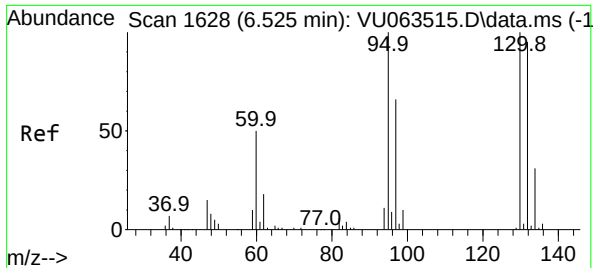
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#36
1,2-Dichloroethane
Concen: 1.838 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

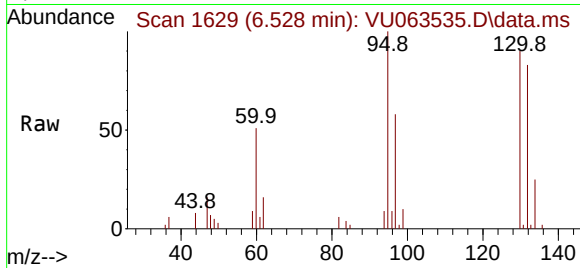
Tgt Ion: 62 Resp: 13615
Ion Ratio Lower Upper
62 100
98 7.8 6.4 9.6





#37
Trichloroethene
Concen: 1.862 ug/l
RT: 6.528 min Scan# 1628
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

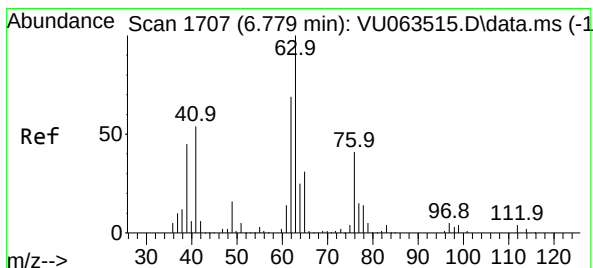
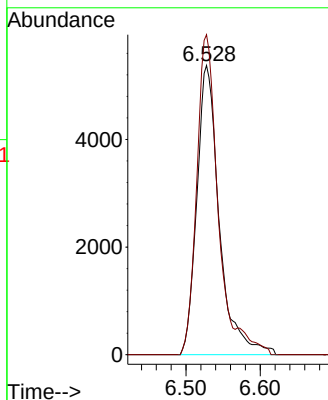
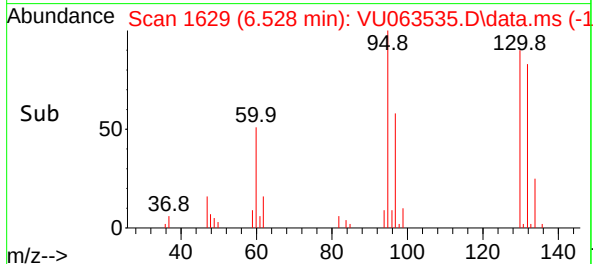
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



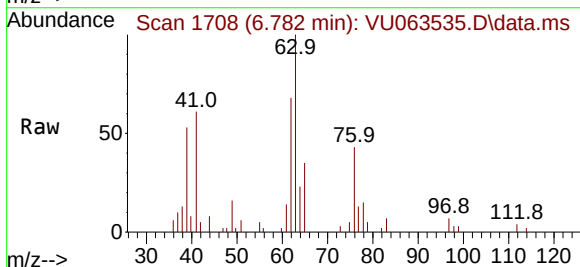
Tgt Ion:130 Resp: 1132
Ion Ratio Lower Upper
130 100
95 110.6 80.3 120.5

Manual Integrations
APPROVED

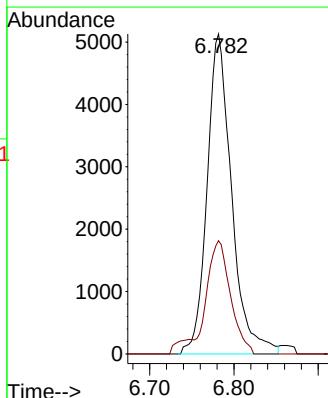
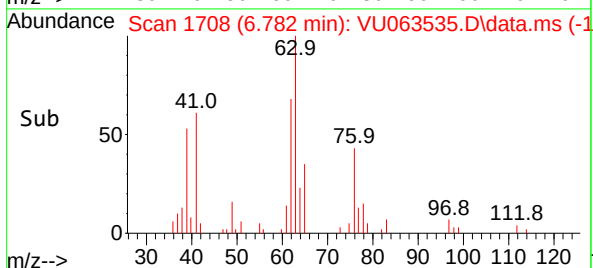
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

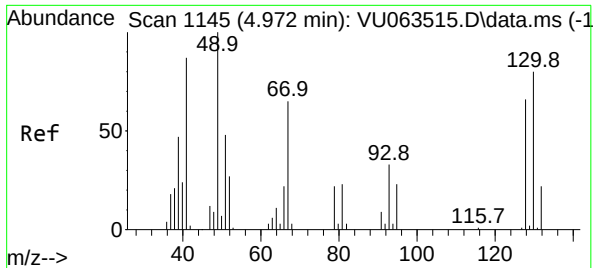


#38
1,2-Dichloropropane
Concen: 1.860 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion: 63 Resp: 10377
Ion Ratio Lower Upper
63 100
65 35.4 24.6 36.8





#39

Methacrylonitrile

Concen: 2.039 ug/l

RT: 4.975 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 41 Resp: 450

Ion Ratio Lower Upper

41 100

67 79.4 62.7 94.1

39 54.2 43.1 64.7

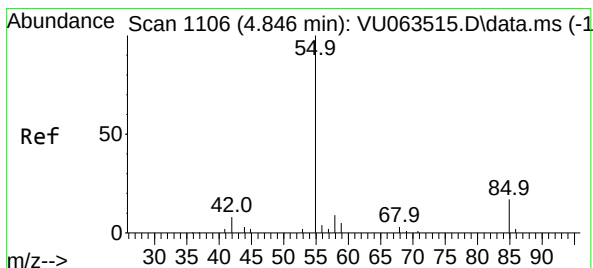
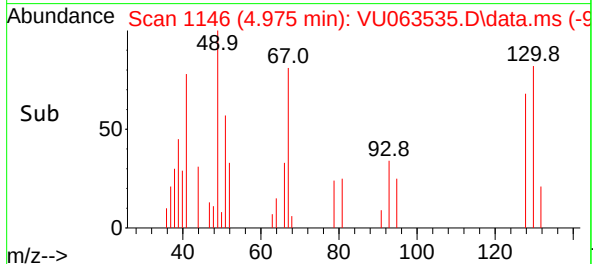
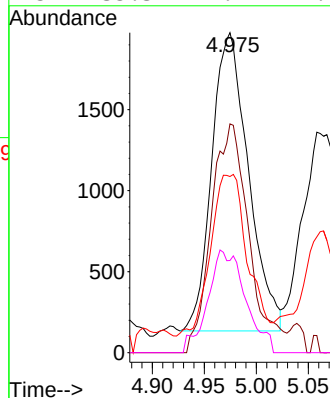
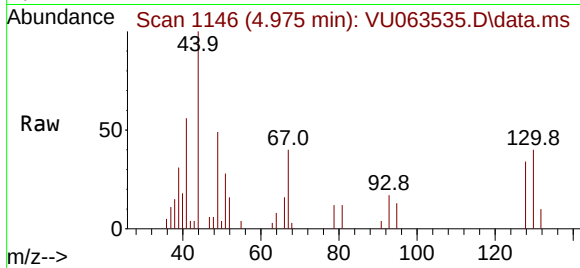
52 35.3 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 2.087 ug/l

RT: 4.853 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion: 55 Resp: 6736

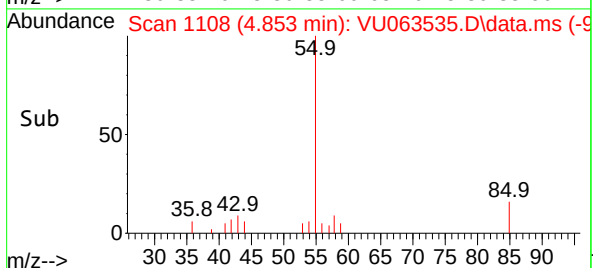
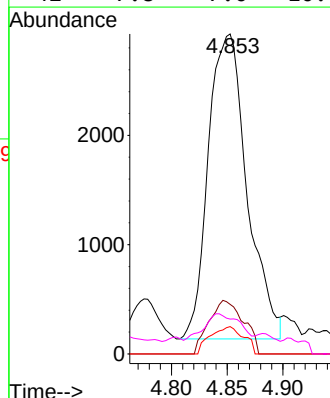
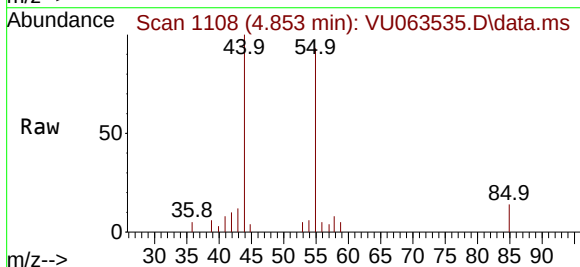
Ion Ratio Lower Upper

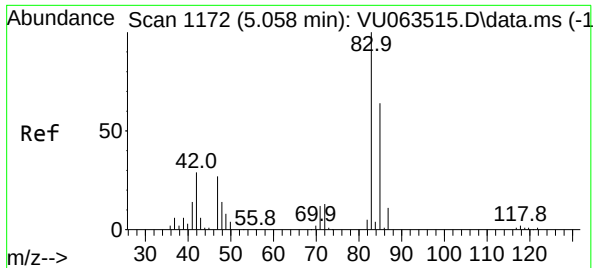
55 100

85 15.8 12.8 19.2

58 7.7 7.0 10.4

42 7.8 7.0 10.4





#41

Tetrahydrofuran

Concen: 4.799 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

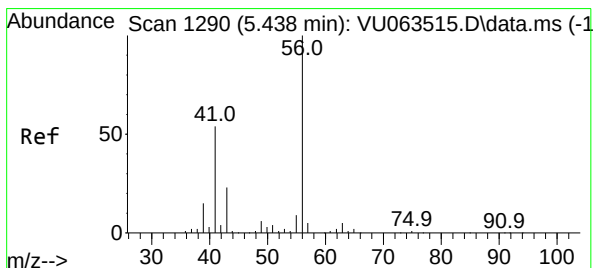
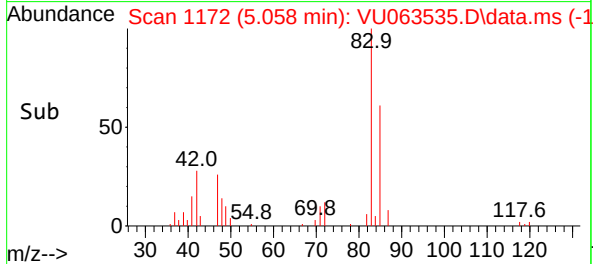
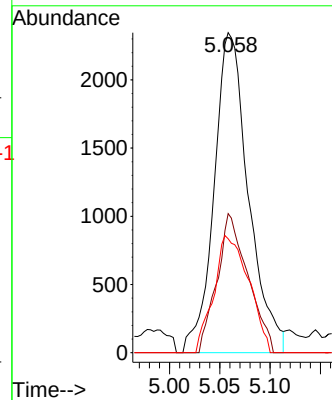
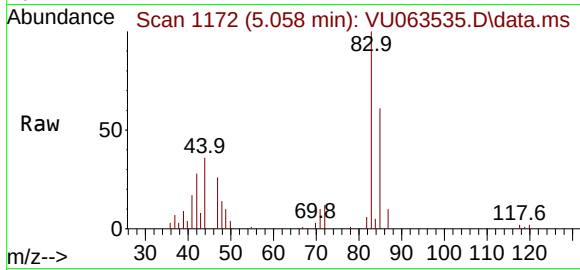
VU0718WBS02

Tgt Ion:	42	Resp:	557
Ion Ratio	Lower	Upper	
42	100		
72	39.3	39.2	58.8
71	37.1	34.8	52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 2.024 ug/l

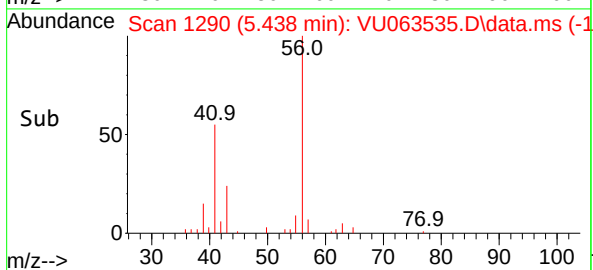
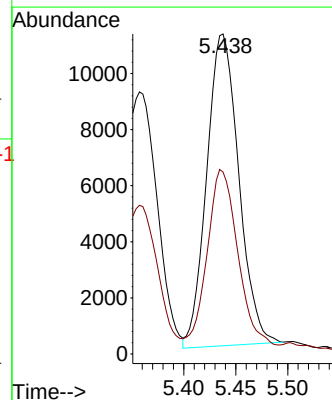
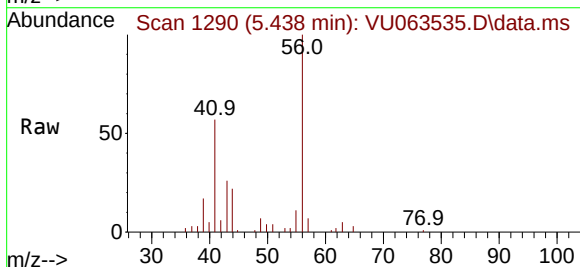
RT: 5.438 min Scan# 1290

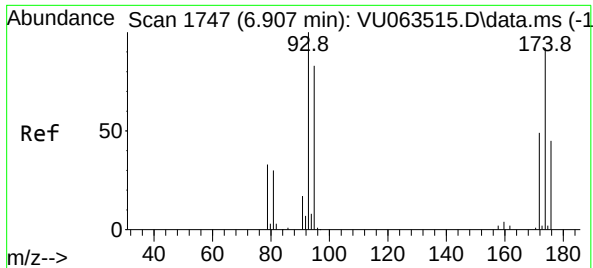
Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	56	Resp:	23868
Ion Ratio	Lower	Upper	
56	100		
41	53.9	26.7	80.0





#43

Dibromomethane

Concen: 1.979 ug/l

RT: 6.910 min Scan# 1747

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 93 Resp: 5720

Ion Ratio Lower Upper

93 100

95 80.8 67.9 101.9

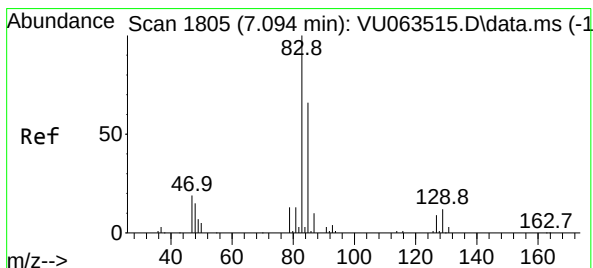
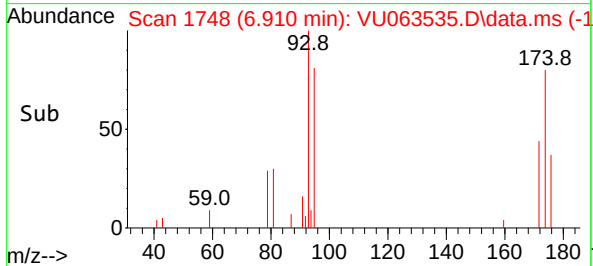
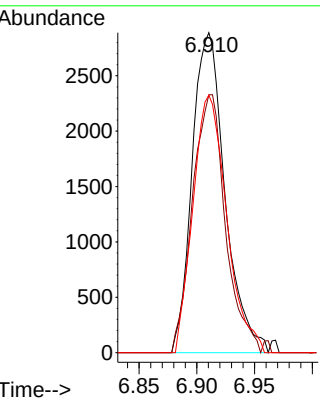
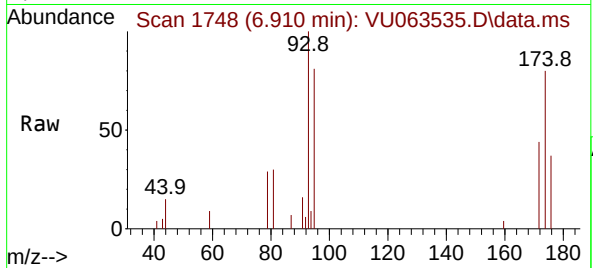
174 82.6 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#44

Bromodichloromethane

Concen: 1.818 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

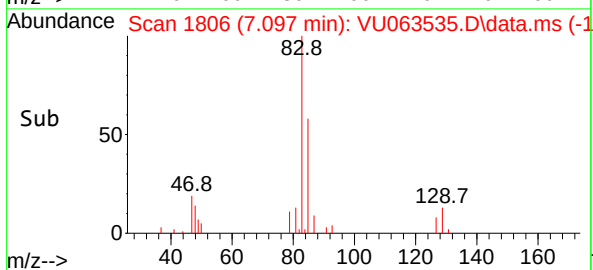
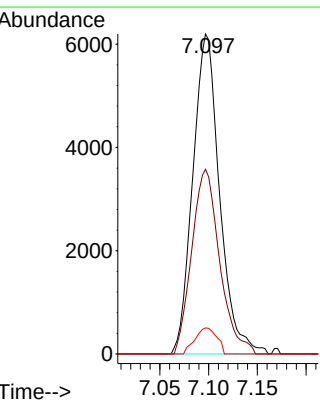
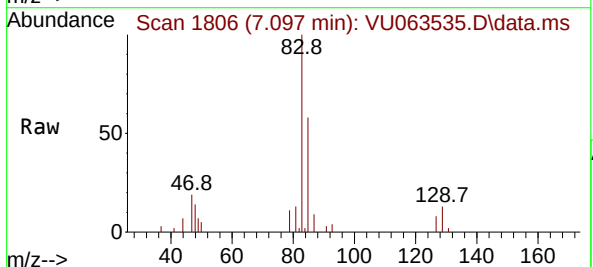
Tgt Ion: 83 Resp: 11850

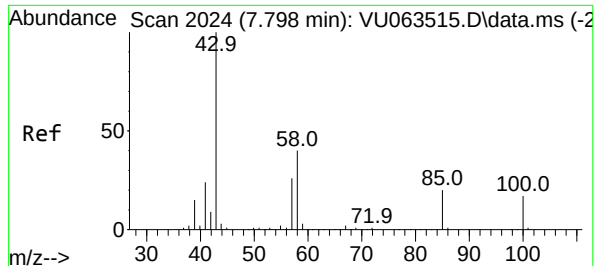
Ion Ratio Lower Upper

83 100

85 57.7 52.7 79.1

127 8.1 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 10.474 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

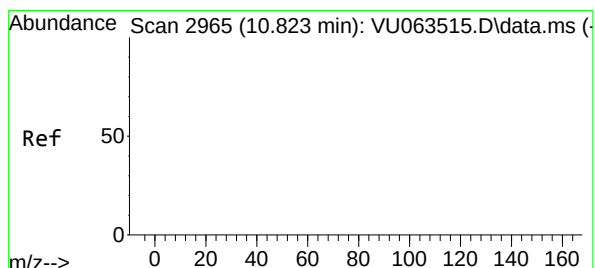
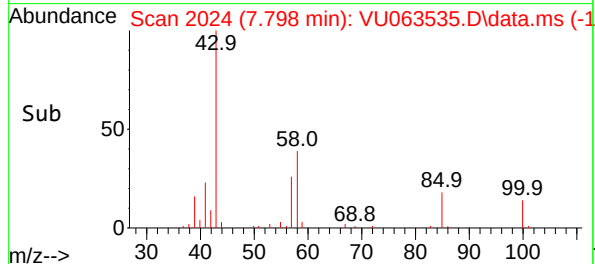
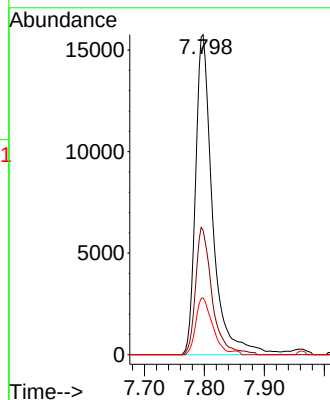
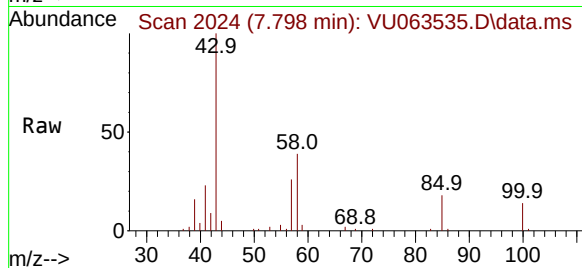
VU0718WBS02

Tgt Ion:	43	Resp:	3119
Ion Ratio	Lower	Upper	
43	100		
58	38.5	20.0	60.0
85	17.3	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#46

t-1,4-Dichloro-2-butene

Concen: 4.640 ug/l m

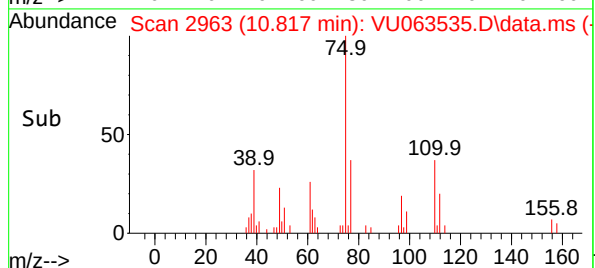
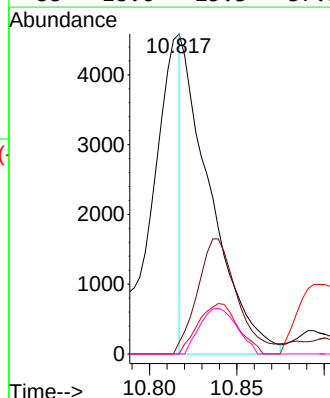
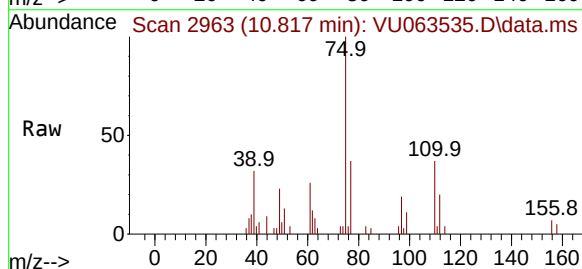
RT: 10.817 min Scan# 2963

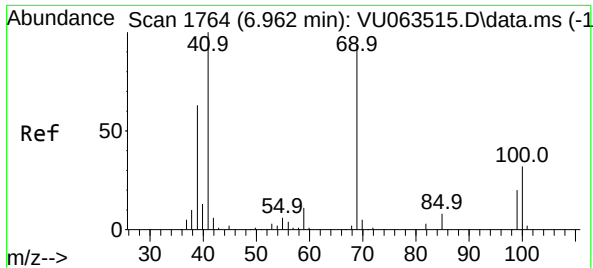
Delta R.T. -0.006 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	75	Resp:	5188
Ion Ratio	Lower	Upper	
75	100		
53	50.1	48.4	72.6
89	21.9	30.6	45.8#
88	18.6	25.3	37.9#





#47

Methyl methacrylate

Concen: 3.707 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

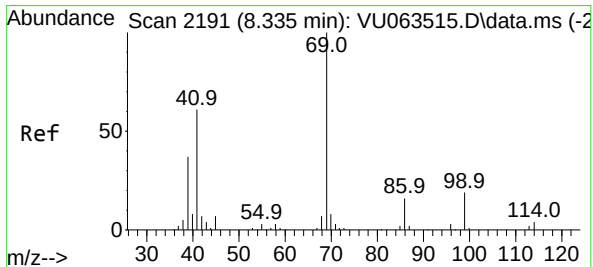
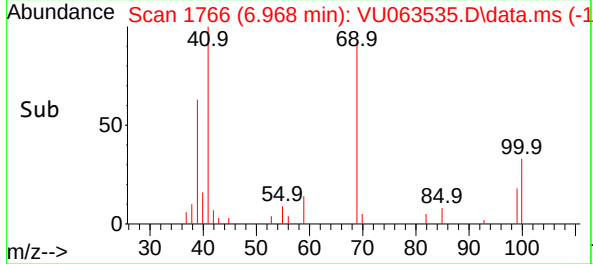
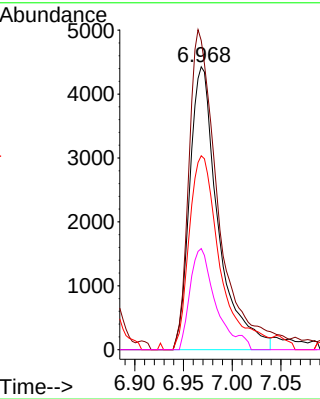
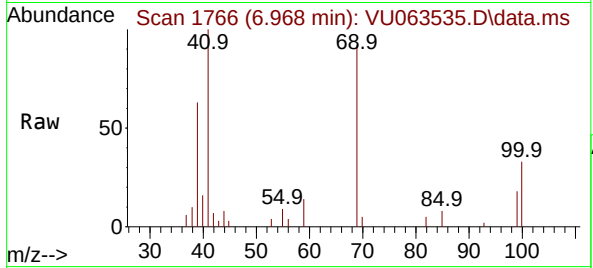
Tgt Ion:	69	Resp:	8990
Ion	Ratio	Lower	Upper
69	100		
41	118.1	0.0	224.0
39	74.7	55.3	82.9
100	30.8	29.0	43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#48

Ethyl methacrylate

Concen: 2.006 ug/l

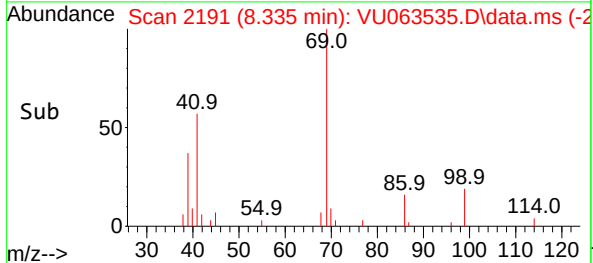
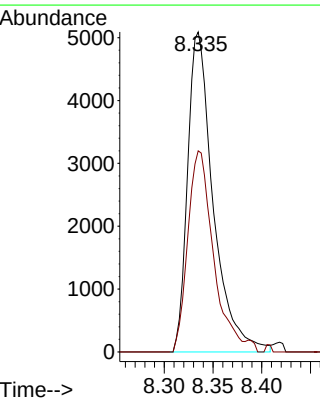
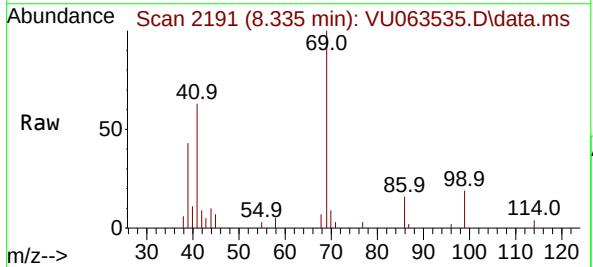
RT: 8.335 min Scan# 2191

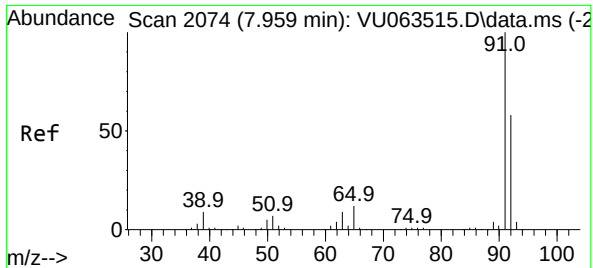
Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	69	Resp:	9290
Ion	Ratio	Lower	Upper
69	100		
41	62.7	30.8	92.4





#49

Toluene

Concen: 1.978 ug/l

RT: 7.958 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 92 Resp: 2574

Ion Ratio Lower Upper

92 100

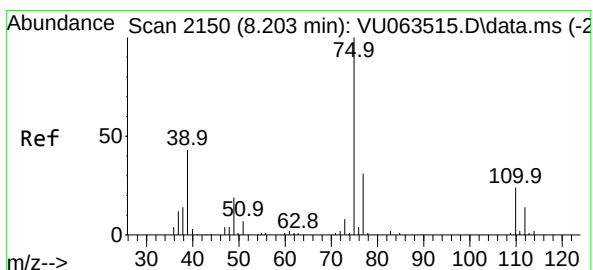
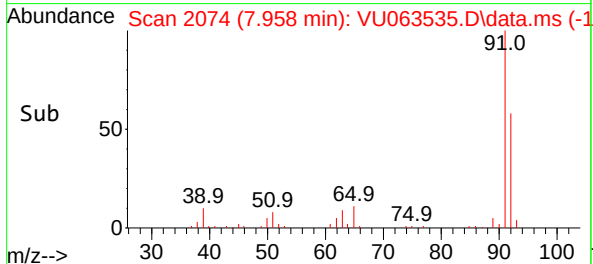
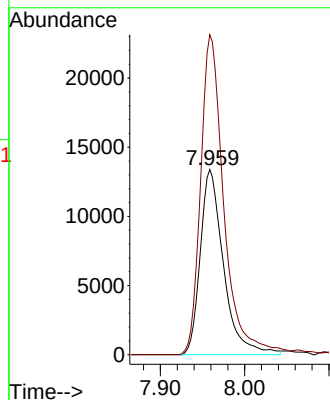
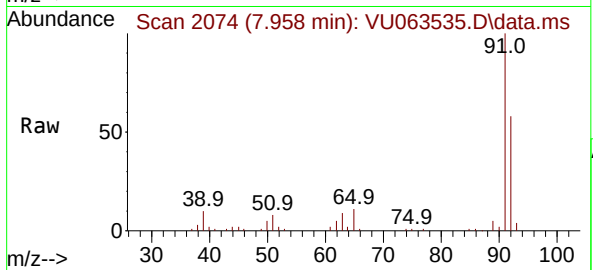
91 172.8 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#50

t-1,3-Dichloropropene

Concen: 1.544 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063535.D

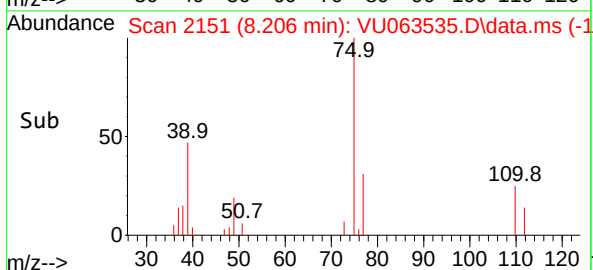
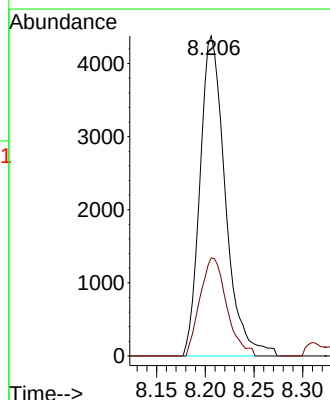
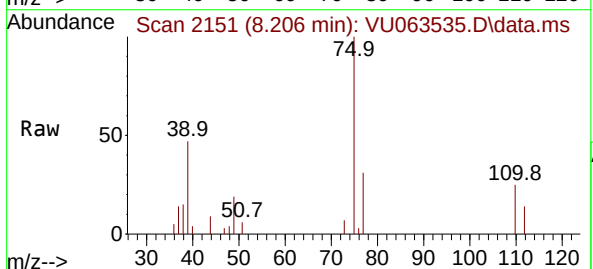
Acq: 18 Jul 2025 11:50

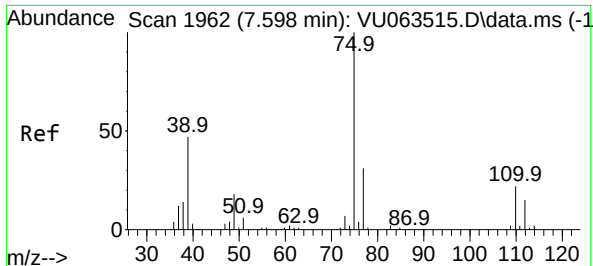
Tgt Ion: 75 Resp: 7896

Ion Ratio Lower Upper

75 100

77 30.7 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 1.623 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

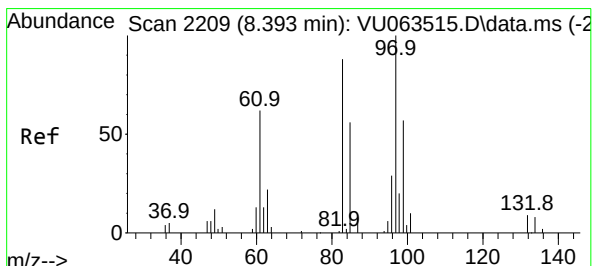
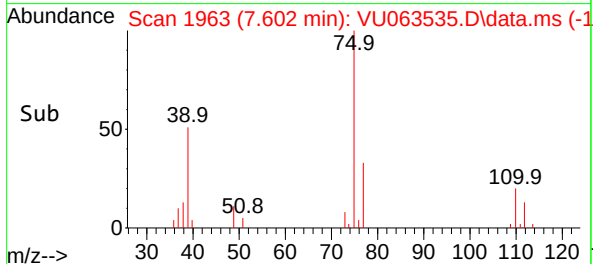
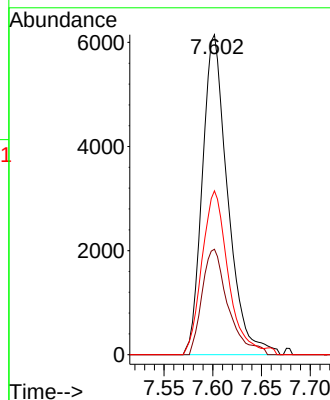
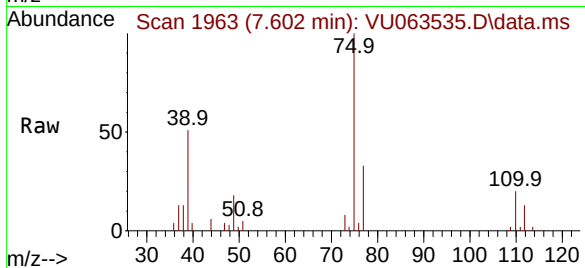
VU0718WBS02

Tgt Ion:	75	Resp:	1113
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7
39	51.2	37.8	56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#52

1,1,2-Trichloroethane

Concen: 2.103 ug/l

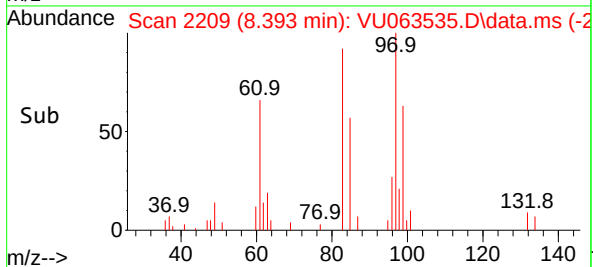
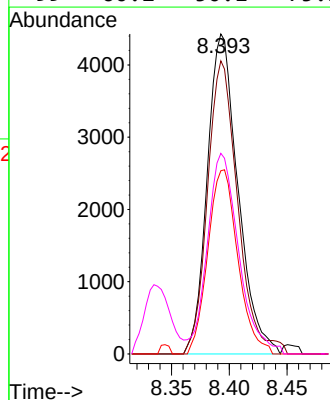
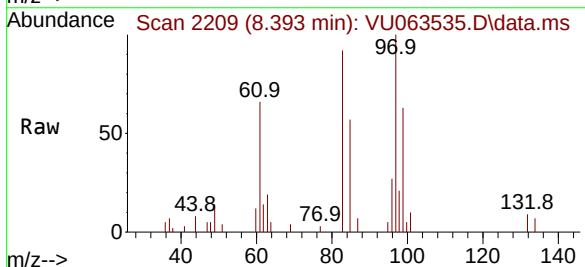
RT: 8.393 min Scan# 2209

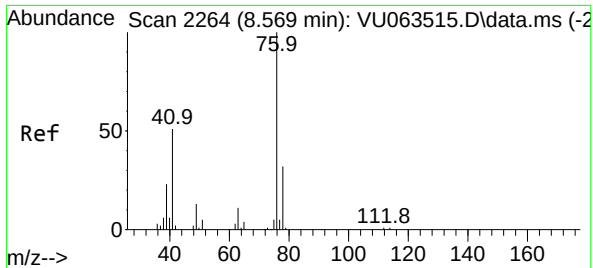
Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	97	Resp:	8183
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.2	105.2
85	57.3	45.2	67.8
99	60.2	50.1	75.1





#53

1,3-Dichloropropane

Concen: 2.071 ug/l

RT: 8.569 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion: 76 Resp: 1390

Ion Ratio Lower Upper

76 100

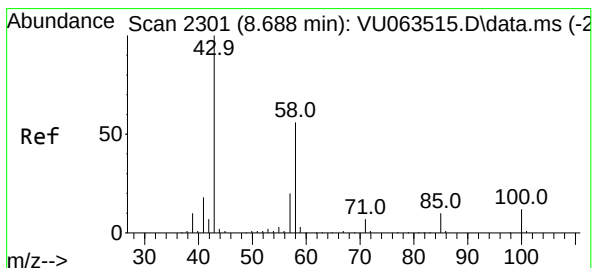
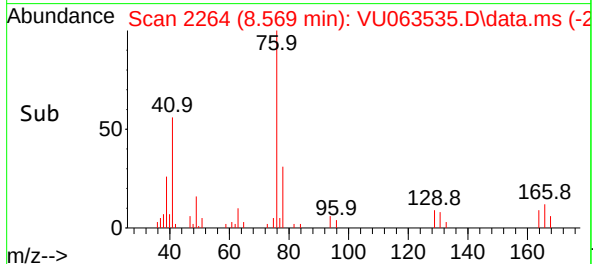
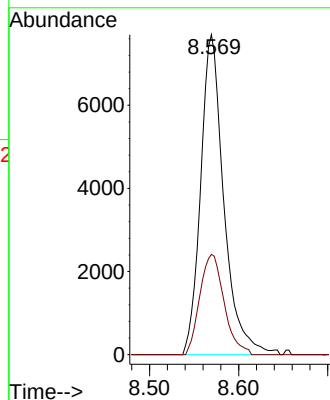
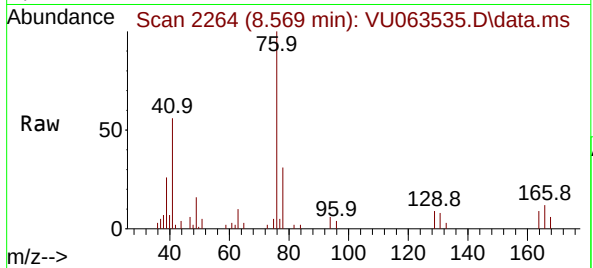
78 32.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#54

2-Hexanone

Concen: 10.036 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

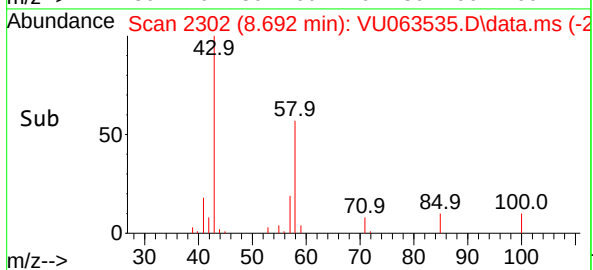
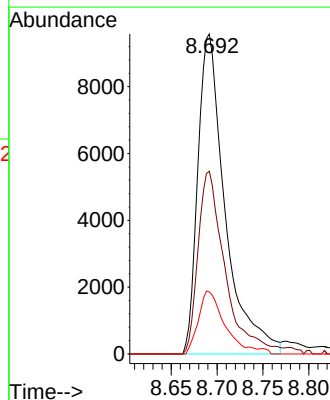
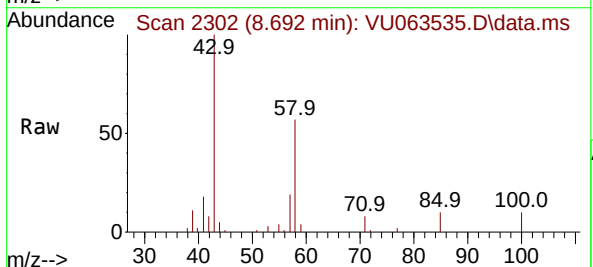
Tgt Ion: 43 Resp: 19855

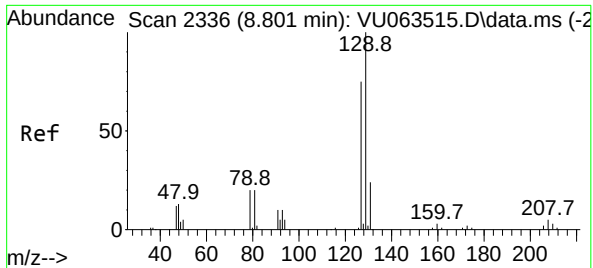
Ion Ratio Lower Upper

43 100

58 56.5 34.8 74.8

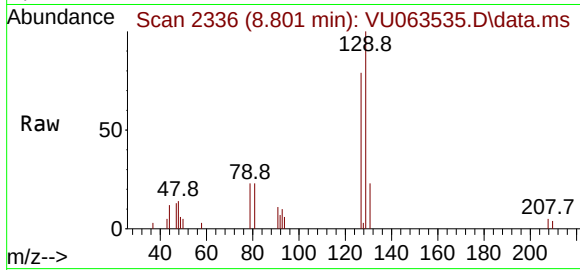
57 19.3 0.0 39.5





#55
Dibromochloromethane
Concen: 1.606 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

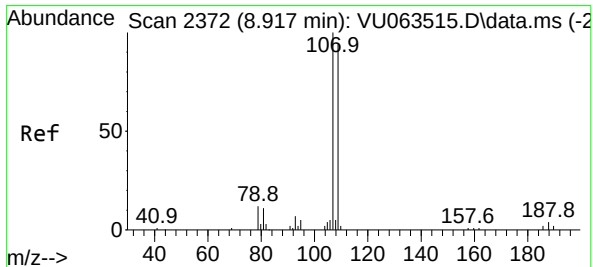
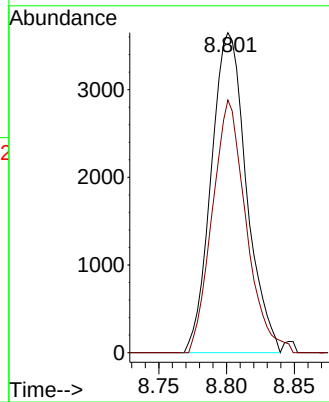
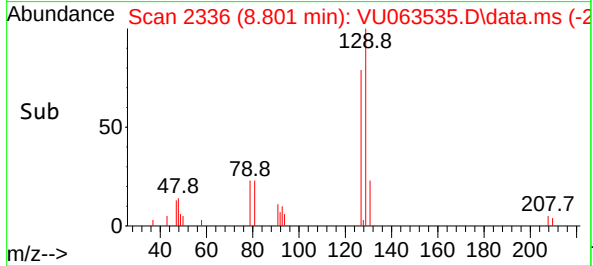
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



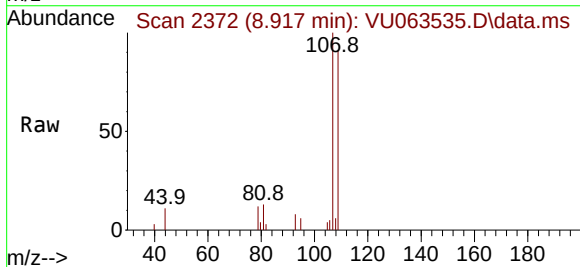
Tgt Ion:129 Resp: 6602
Ion Ratio Lower Upper
129 100
127 75.7 60.1 90.1

Manual Integrations
APPROVED

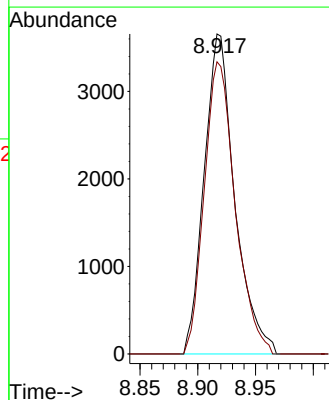
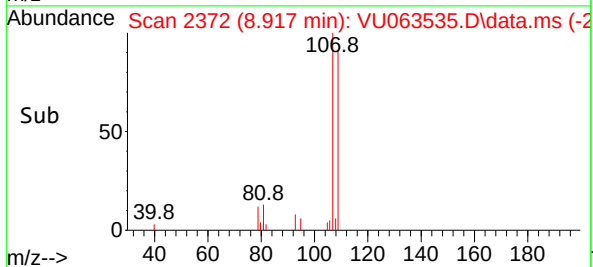
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

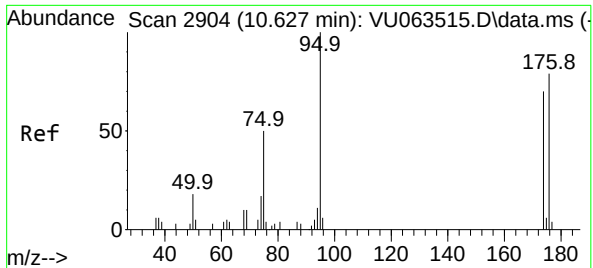


#56
1,2-Dibromoethane
Concen: 1.935 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



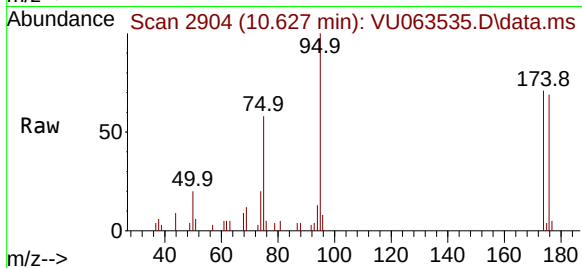
Tgt Ion:107 Resp: 6737
Ion Ratio Lower Upper
107 100
109 92.4 0.0 186.4





#57
4-Bromofluorobenzene
Concen: 1.032 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

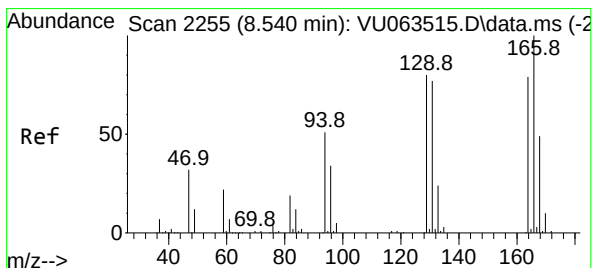
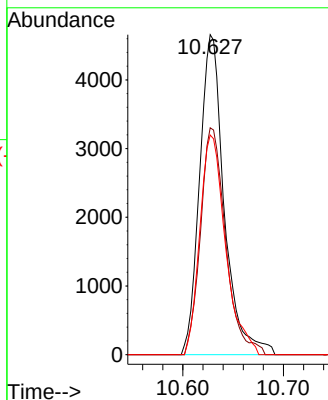
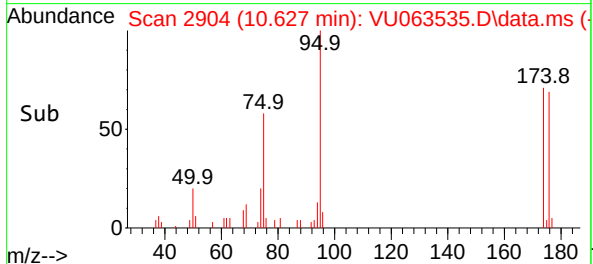
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



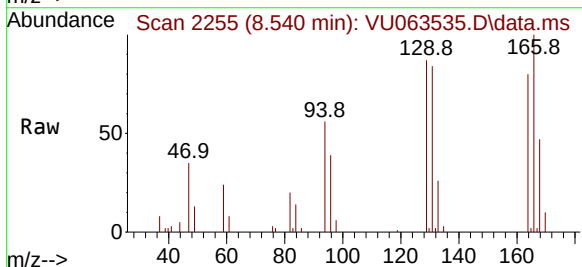
Tgt Ion: 95 Resp: 7909
Ion Ratio Lower Upper
95 100
174 72.3 59.8 89.8
176 71.5 61.8 92.8

Manual Integrations
APPROVED

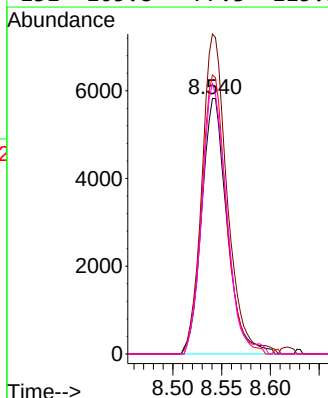
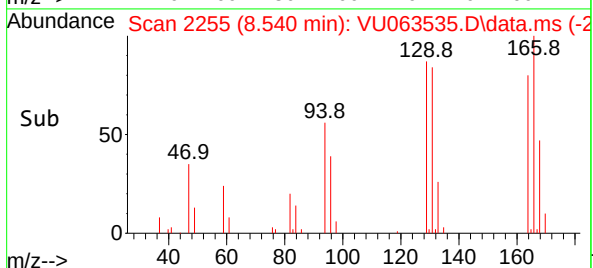
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

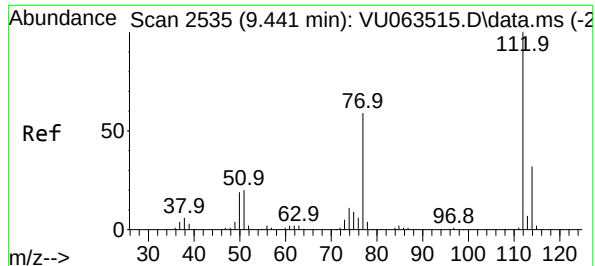


#58
Tetrachloroethene
Concen: 1.891 ug/l
RT: 8.540 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion:164 Resp: 10524
Ion Ratio Lower Upper
164 100
166 125.2 100.7 151.1
129 109.2 80.6 120.8
131 105.8 77.3 115.9





#59

Chlorobenzene

Concen: 1.968 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion:112 Resp: 29410

Ion Ratio Lower Upper

112 100

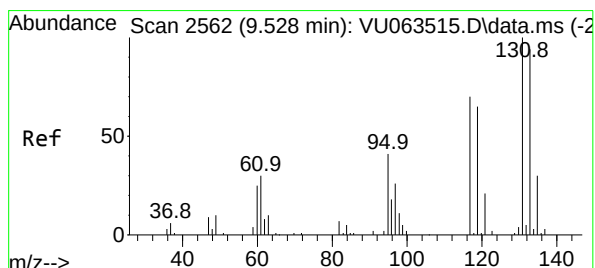
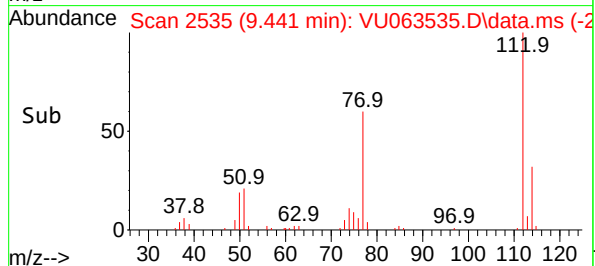
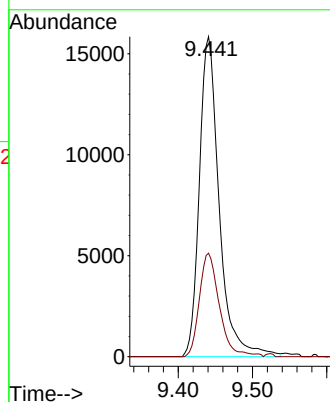
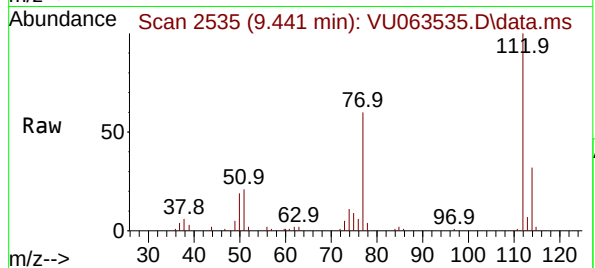
114 32.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.708 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

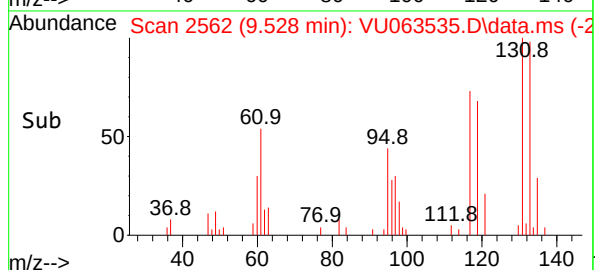
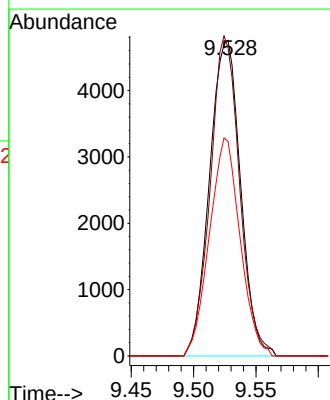
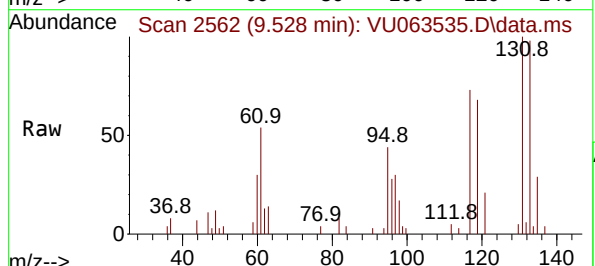
Tgt Ion:131 Resp: 8208

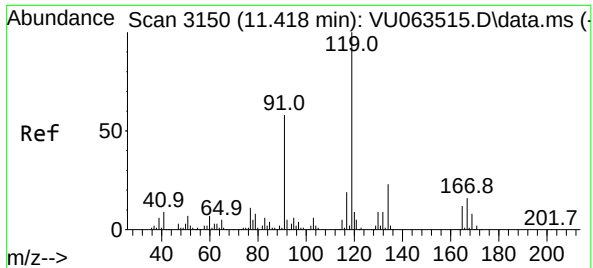
Ion Ratio Lower Upper

131 100

133 96.5 74.7 112.1

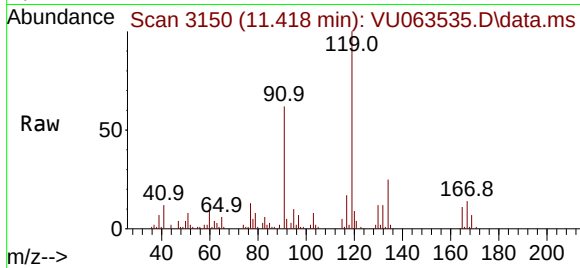
119 68.6 53.0 79.4





#61
Pentachloroethane
Concen: 1.812 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

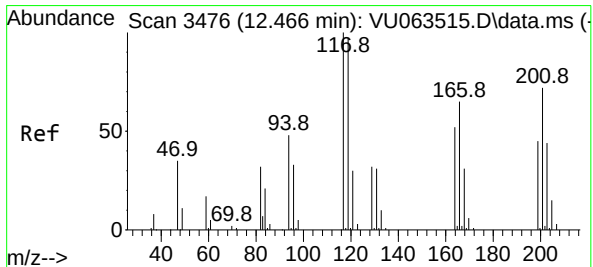
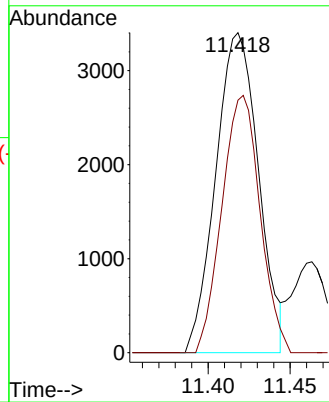
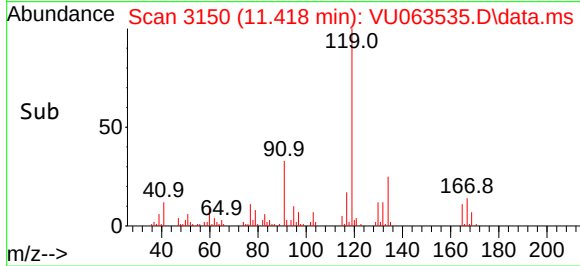
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



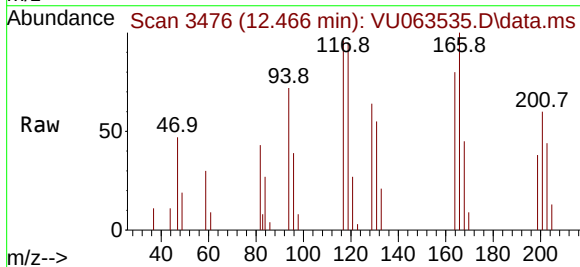
Tgt Ion:117 Resp: 6154
Ion Ratio Lower Upper
117 100
167 71.8 65.0 97.6

Manual Integrations
APPROVED

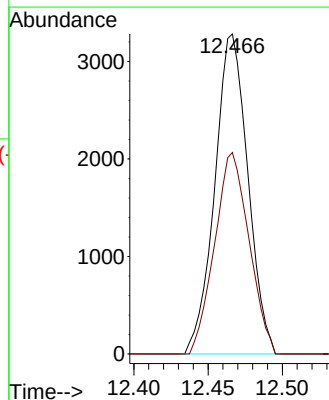
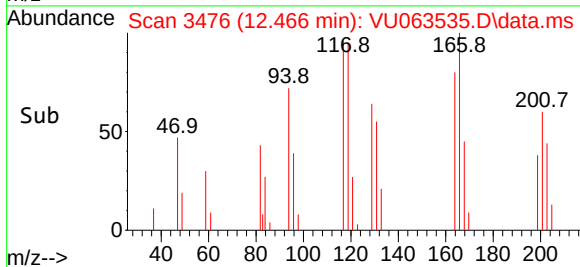
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

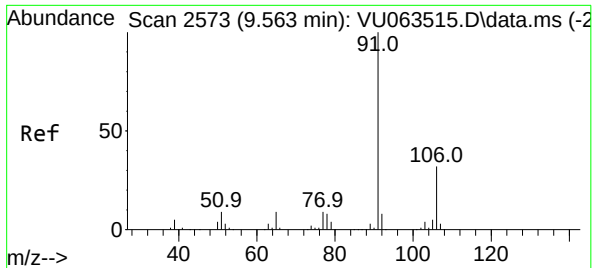


#62
Hexachloroethane
Concen: 1.512 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion:117 Resp: 5086
Ion Ratio Lower Upper
117 100
201 65.6 57.4 86.0





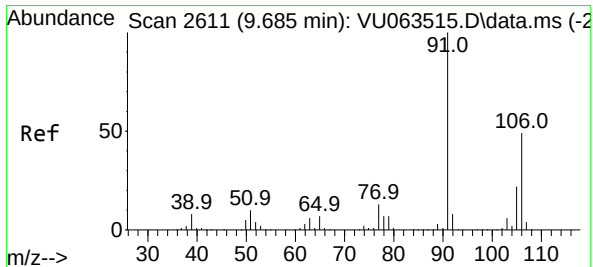
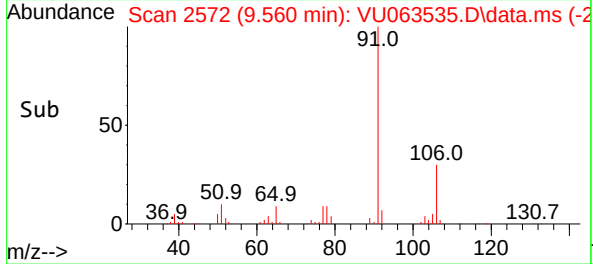
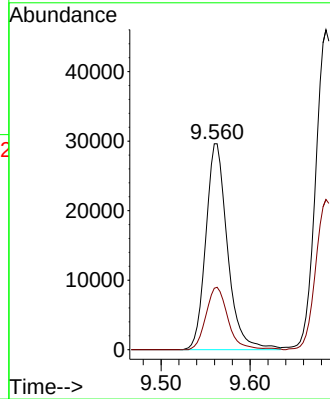
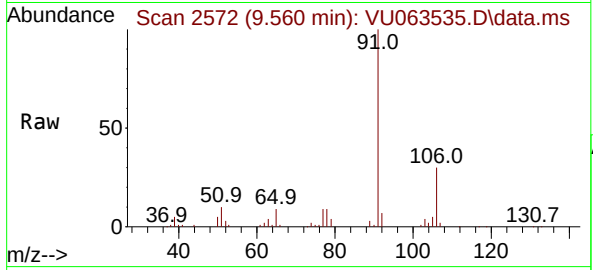
#63
Ethyl Benzene
Concen: 1.949 ug/l
RT: 9.560 min Scan# 2104
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion: 91 Resp: 50124
Ion Ratio Lower Upper
91 100
106 29.9 25.4 38.0

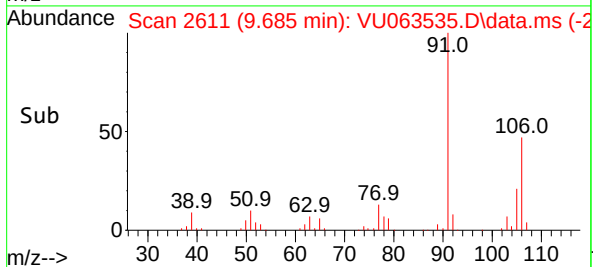
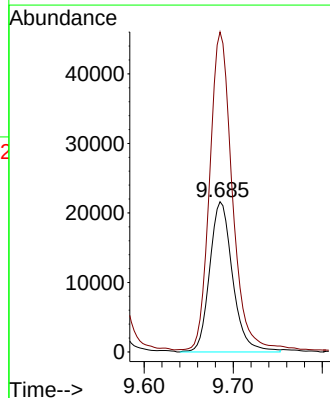
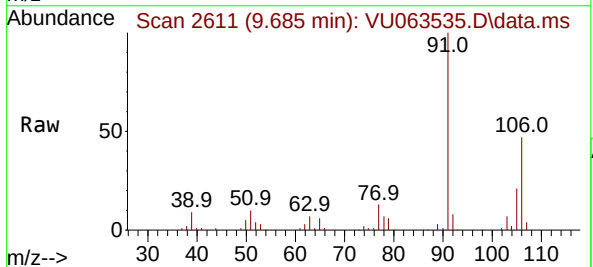
Manual Integrations
APPROVED

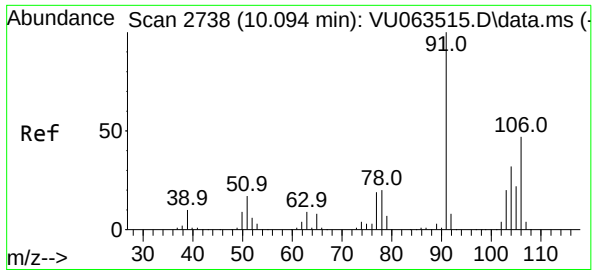
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#64
m/p-Xylenes
Concen: 3.865 ug/l
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion:106 Resp: 38644
Ion Ratio Lower Upper
106 100
91 213.0 163.6 245.4





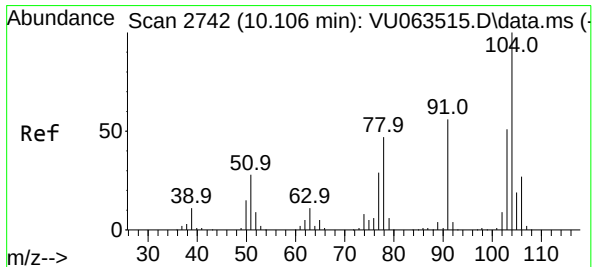
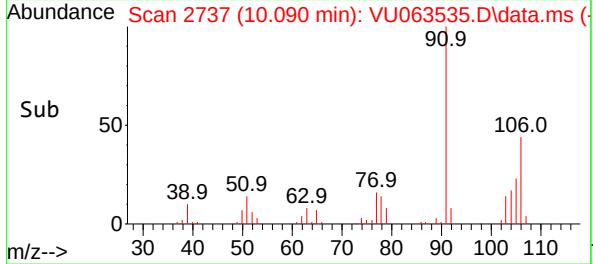
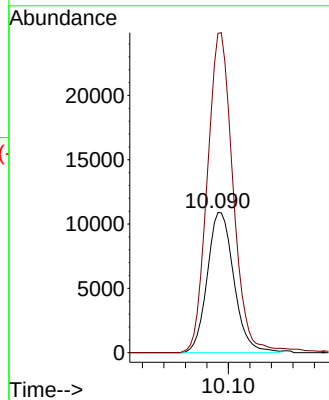
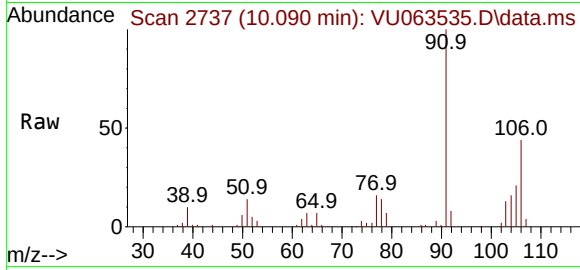
#65
o-Xylene
Concen: 1.950 ug/l
RT: 10.090 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:106 Resp: 18729
Ion Ratio Lower Upper
106 100
91 222.2 108.1 324.4

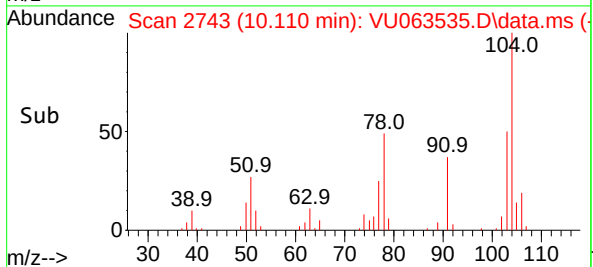
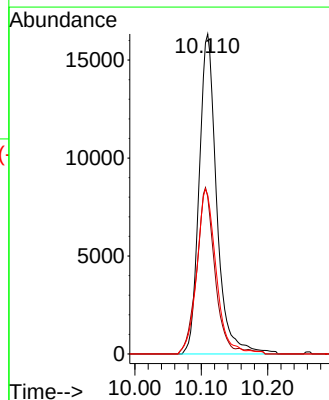
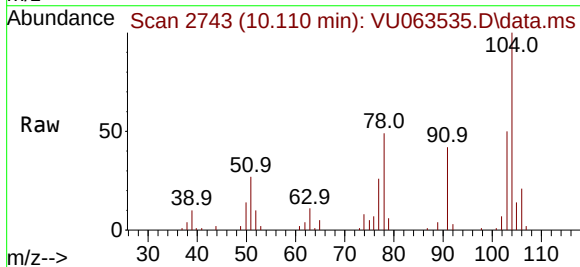
Manual Integrations
APPROVED

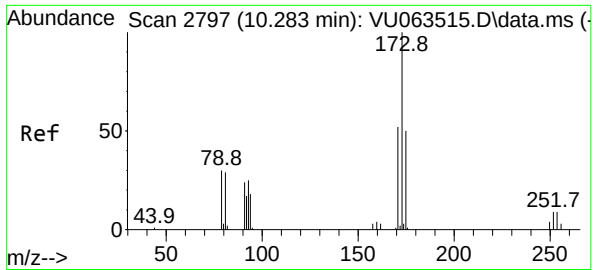
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#66
Styrene
Concen: 1.964 ug/l
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

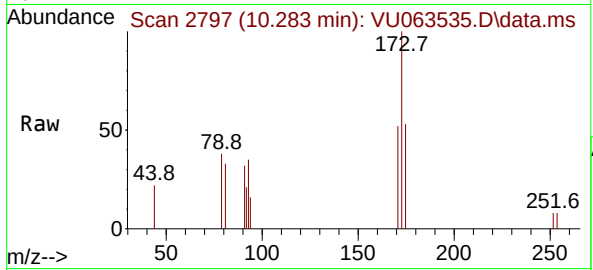
Tgt Ion:104 Resp: 30077
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 56.0 43.6 65.4





#67
Bromoform
Concen: 1.436 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

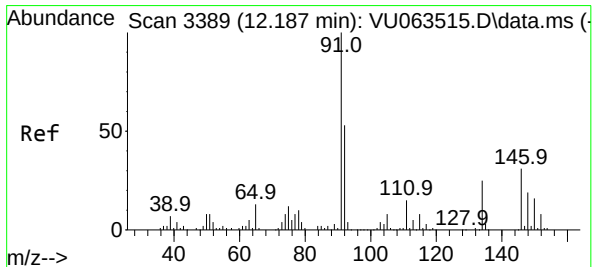
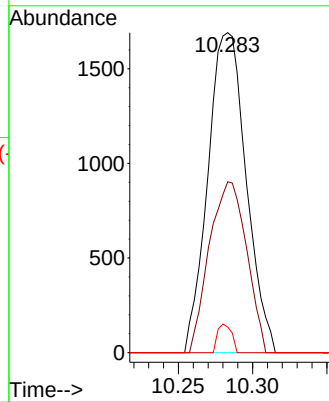
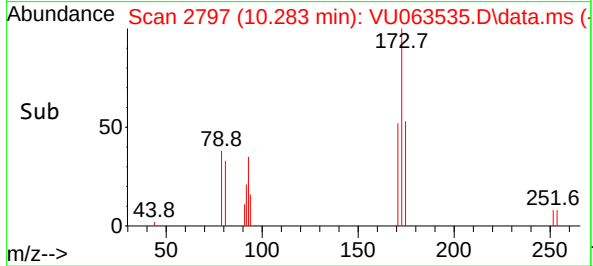
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



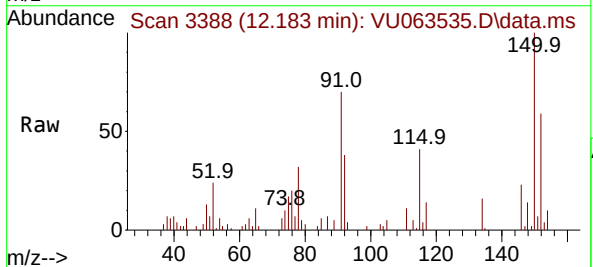
Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 51.8 39.0 58.4
254 3.3 6.5 9.7

Manual Integrations
APPROVED

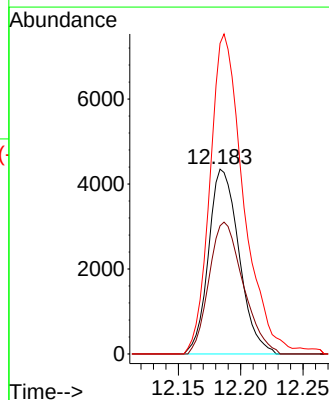
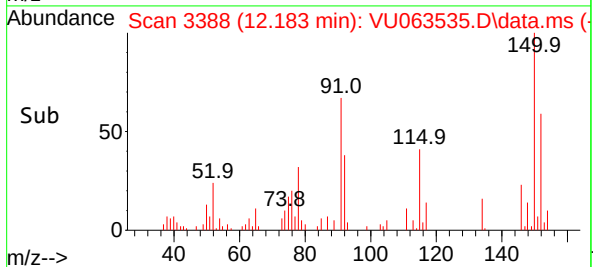
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

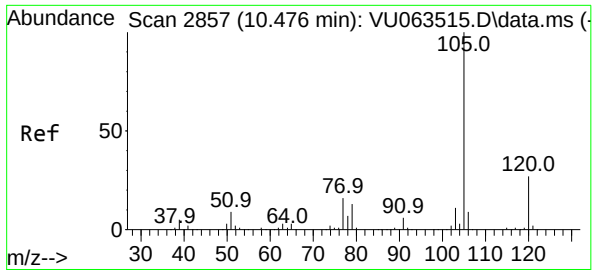


#68
1,2-Dichlorobenzene-d4
Concen: 1.047 ug/l
RT: 12.183 min Scan# 3388
Delta R.T. -0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion:152 Resp: 7416
Ion Ratio Lower Upper
152 100
115 79.8 0.0 262.2
150 191.8 0.0 651.2





#69

Isopropylbenzene

Concen: 1.982 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

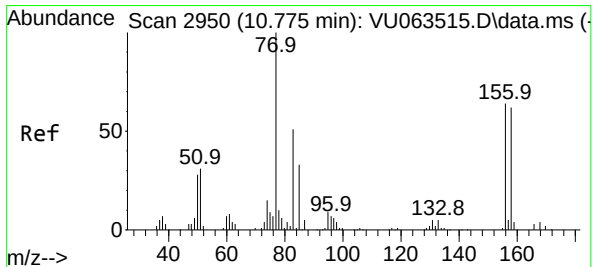
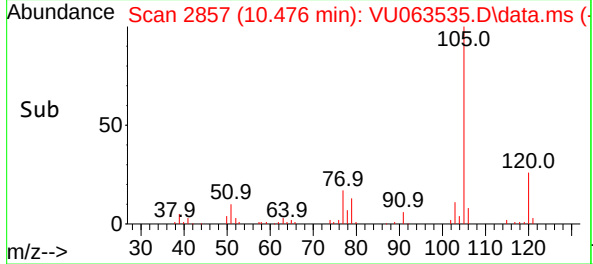
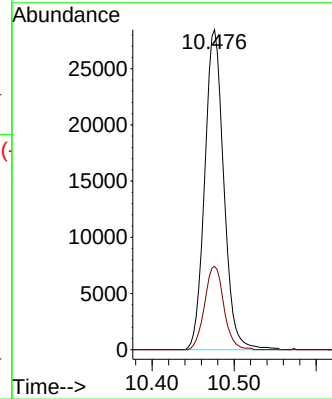
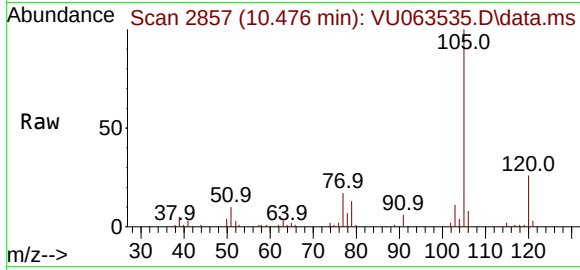
Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion:	105	Resp:	46030
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.2	39.5

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#70

1,1,2,2-Tetrachloroethane

Concen: 1.985 ug/l

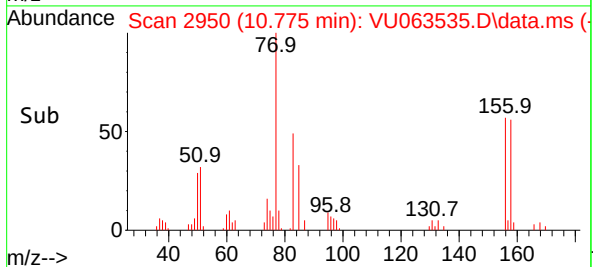
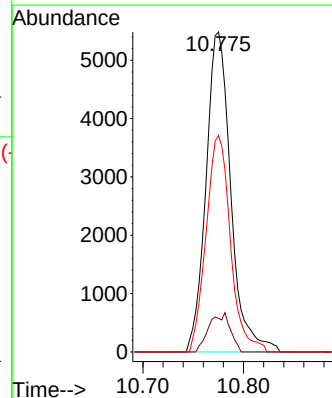
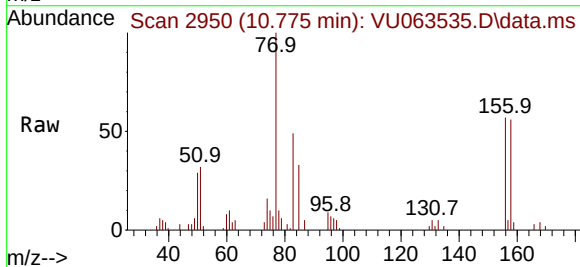
RT: 10.775 min Scan# 2950

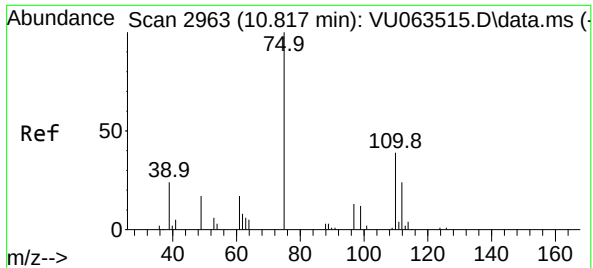
Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

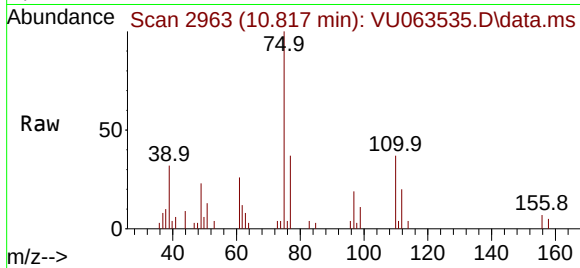
Tgt Ion:	83	Resp:	9398
Ion Ratio	Lower	Upper	
83	100		
131	10.5	8.4	12.6
85	66.4	51.9	77.9





#71
1,2,3-Trichloropropane
Concen: 1.950 ug/l m
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

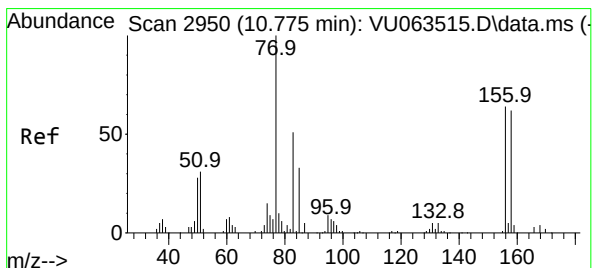
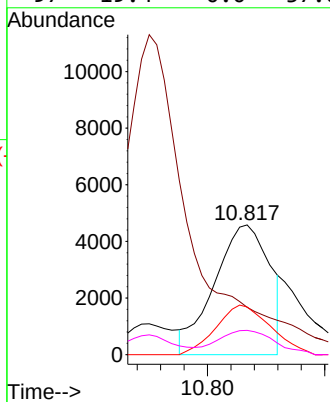
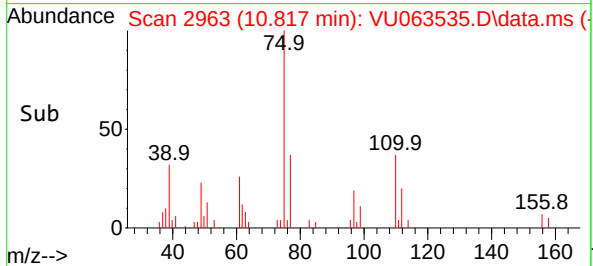
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



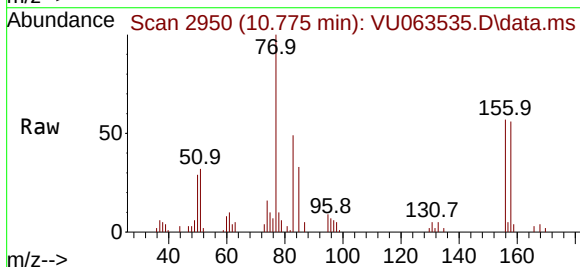
Tgt Ion: 75 Resp: 7499
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 37.8 0.0 73.2
97 19.4 0.0 37.6

Manual Integrations
APPROVED

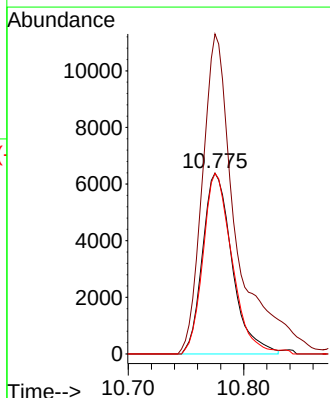
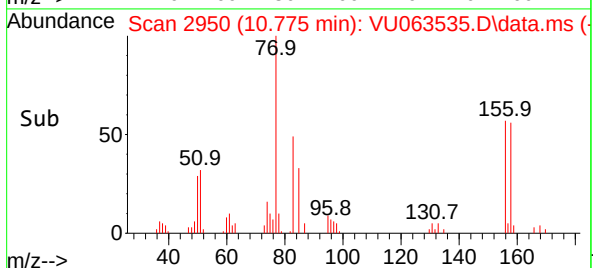
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

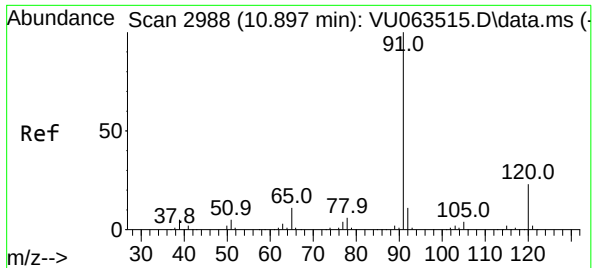


#72
Bromobenzene
Concen: 1.898 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion:156 Resp: 11376
Ion Ratio Lower Upper
156 100
77 202.7 0.0 315.2
158 98.5 0.0 195.4





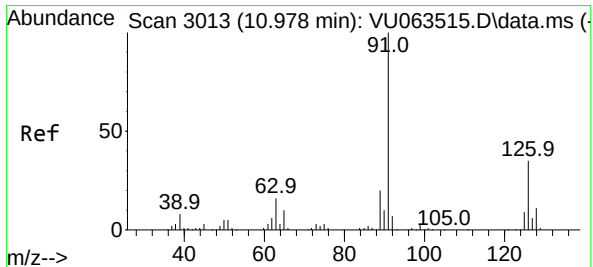
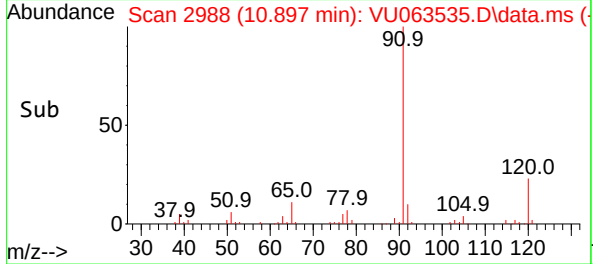
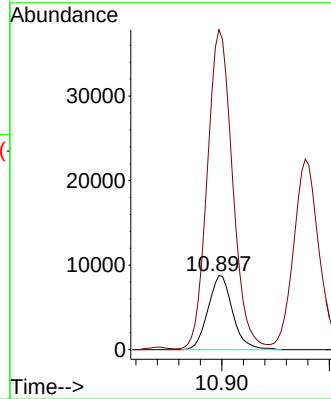
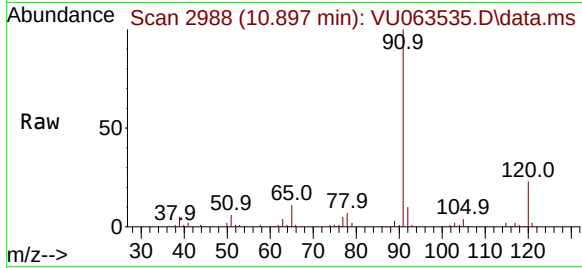
#73
n-propylbenzene
Concen: 1.984 ug/l
RT: 10.897 min Scan# 2988
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:120 Resp: 13872
Ion Ratio Lower Upper
120 100
91 443.3 343.1 514.7

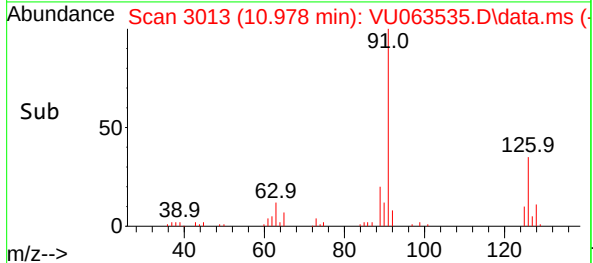
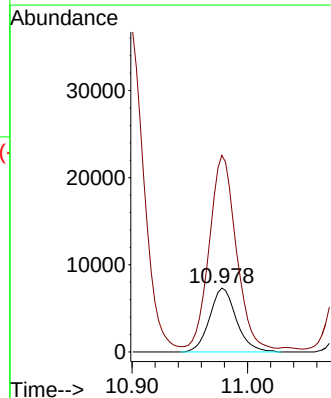
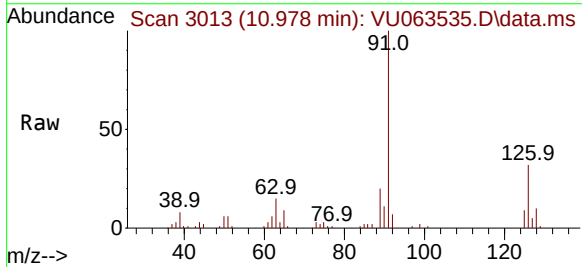
Manual Integrations
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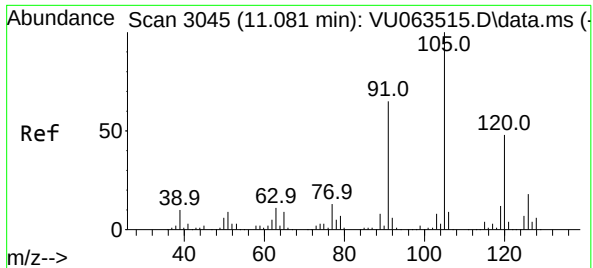
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#74
2-Chlorotoluene
Concen: 1.902 ug/l
RT: 10.978 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion:126 Resp: 11750
Ion Ratio Lower Upper
126 100
91 304.0 0.0 606.0





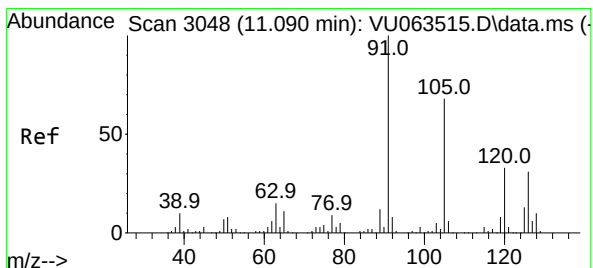
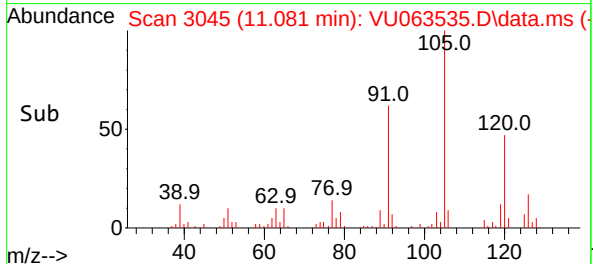
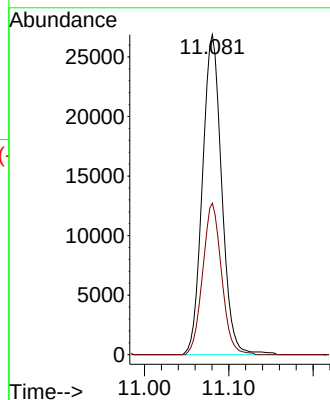
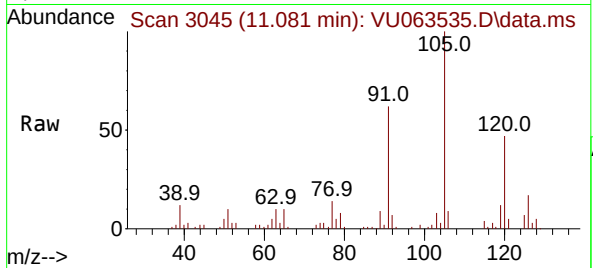
#75
1,3,5-Trimethylbenzene
Concen: 1.933 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:105 Resp: 4287
Ion Ratio Lower Upper
105 100
120 46.3 37.8 56.8

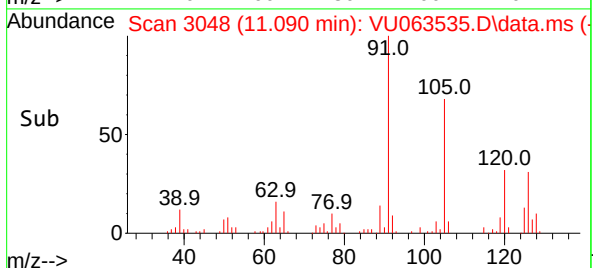
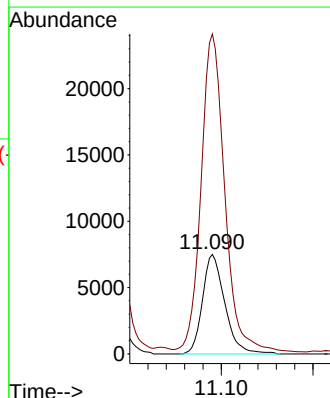
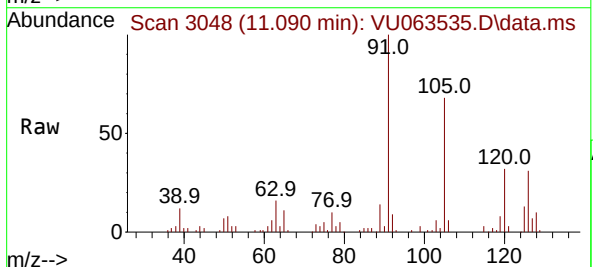
Manual Integrations
APPROVED

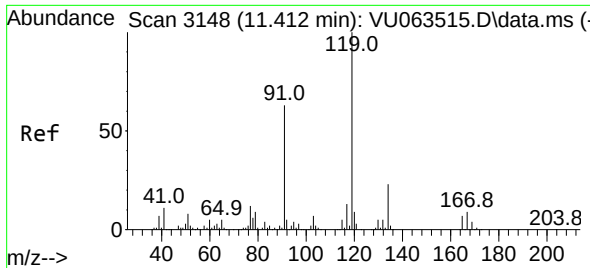
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#76
4-Chlorotoluene
Concen: 2.018 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

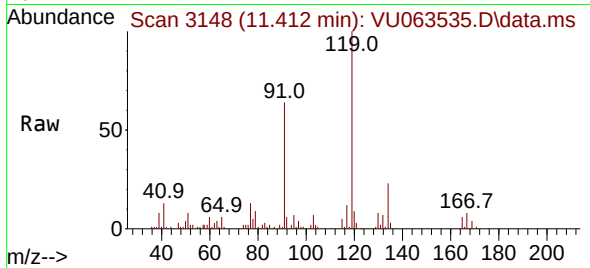
Tgt Ion:126 Resp: 12663
Ion Ratio Lower Upper
126 100
91 338.0 0.0 682.2





#77
tert-Butylbenzene
Concen: 1.951 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

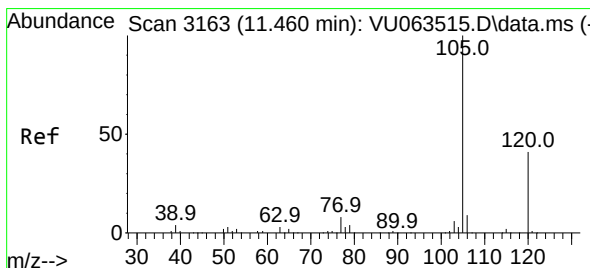
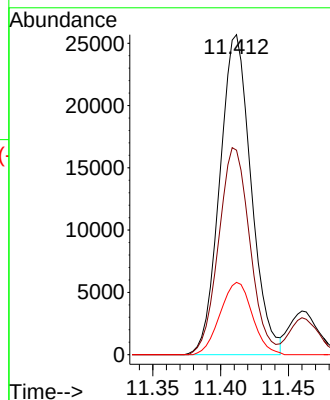
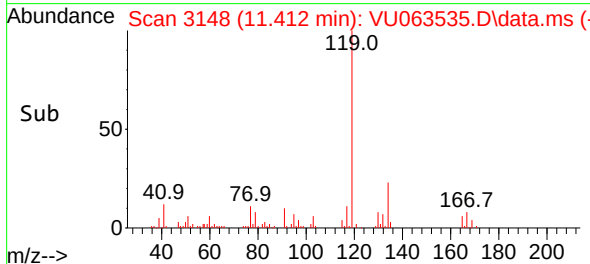
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



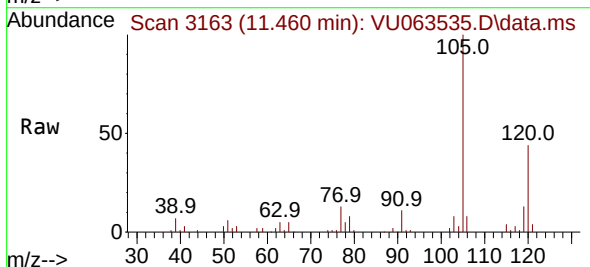
Tgt Ion:119 Resp: 4136
Ion Ratio Lower Upper
119 100
91 64.3 30.7 92.1
134 23.1 18.5 27.7

Manual Integrations
APPROVED

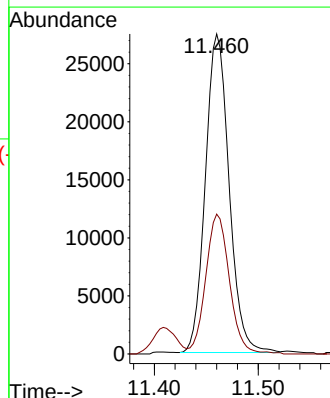
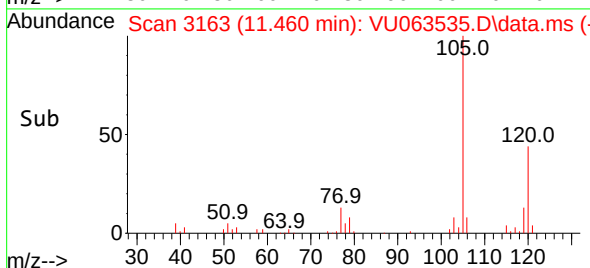
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

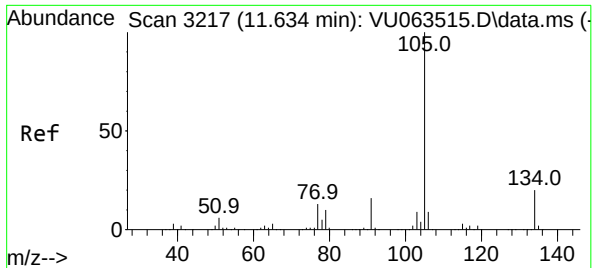


#78
1,2,4-Trimethylbenzene
Concen: 1.977 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion:105 Resp: 43519
Ion Ratio Lower Upper
105 100
120 44.0 22.7 68.0





#79

sec-Butylbenzene

Concen: 2.009 ug/l

RT: 11.634 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBS02

Tgt Ion:105 Resp: 5744

Ion Ratio Lower Upper

105 100

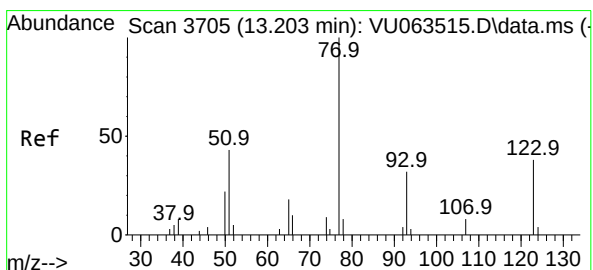
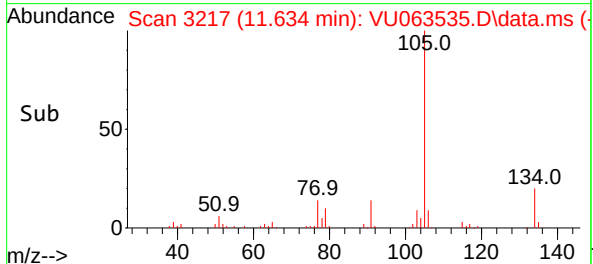
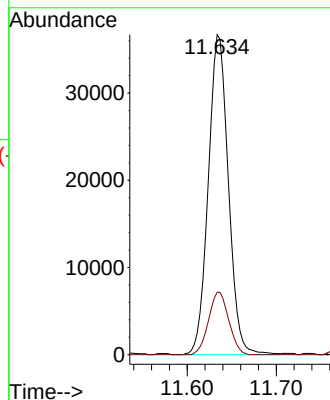
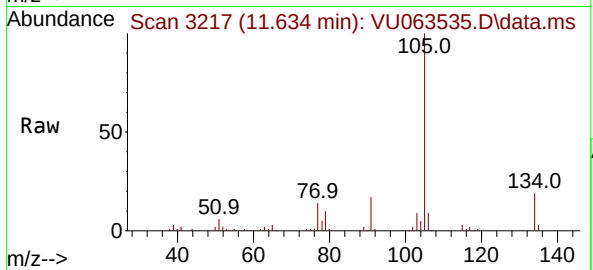
134 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#80

Nitrobenzene

Concen: 8.625 ug/l

RT: 13.219 min Scan# 3710

Delta R.T. 0.016 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

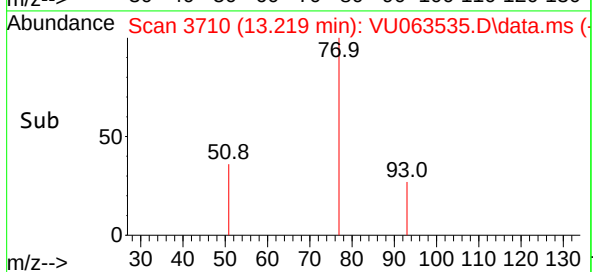
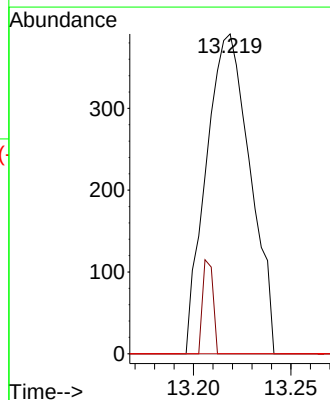
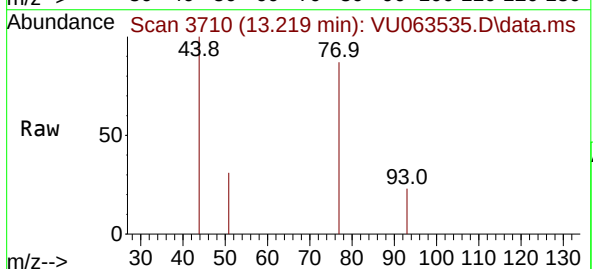
Tgt Ion: 77 Resp: 614

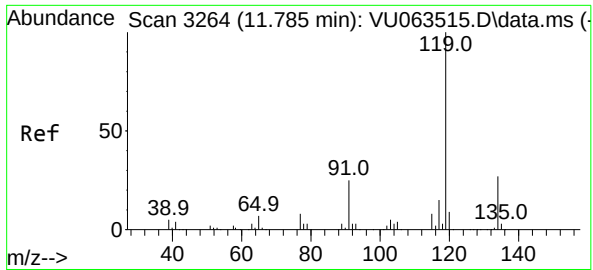
Ion Ratio Lower Upper

77 100

123 7.0 16.9 59.7#

65 0.0 16.5 20.9#





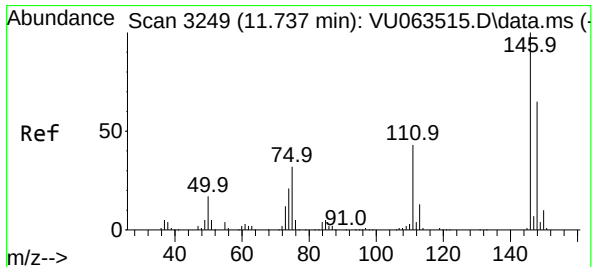
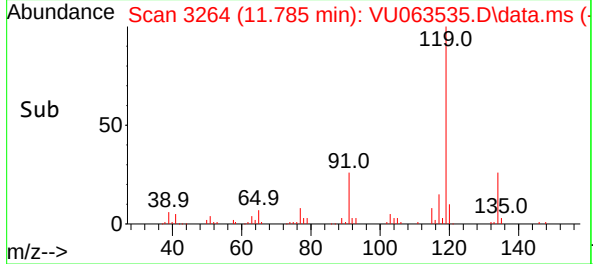
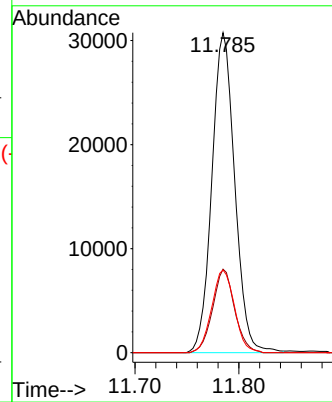
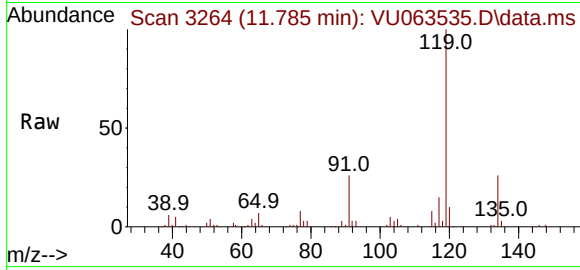
#81
p-Isopropyltoluene
Concen: 1.969 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:119 Resp: 47010
Ion Ratio Lower Upper
119 100
134 25.1 21.1 31.7
91 25.6 19.8 29.8

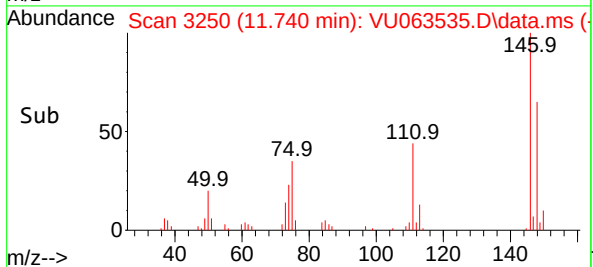
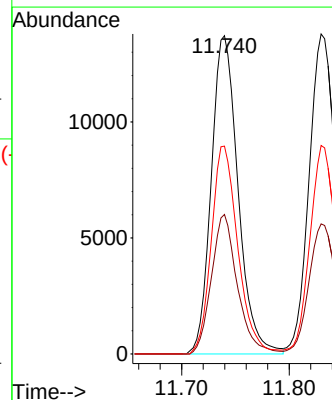
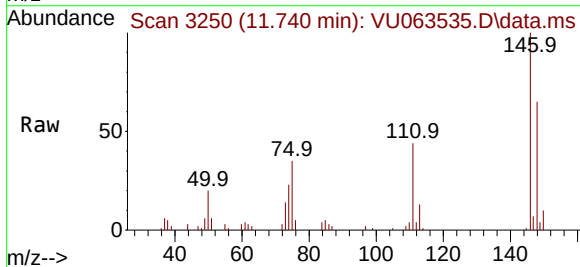
Manual Integrations
APPROVED

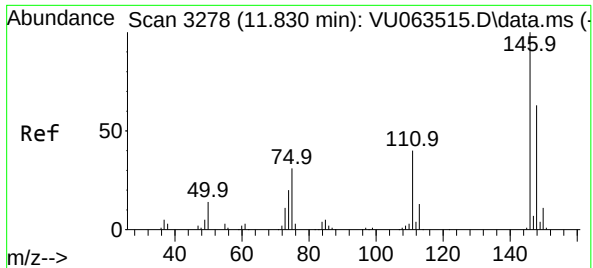
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#82
1,3-Dichlorobenzene
Concen: 1.977 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

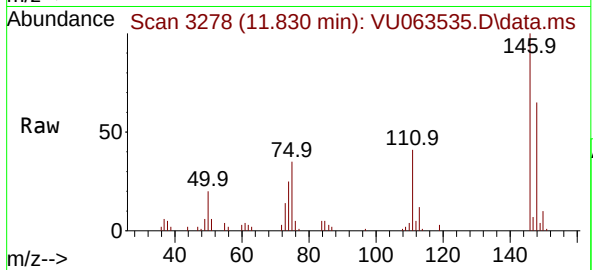
Tgt Ion:146 Resp: 23706
Ion Ratio Lower Upper
146 100
111 42.7 33.8 50.6
148 64.7 51.5 77.3





#83
1,4-Dichlorobenzene
Concen: 2.023 ug/l
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

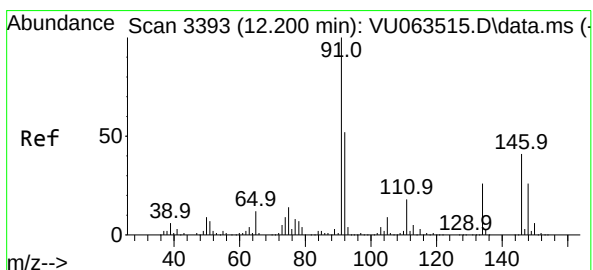
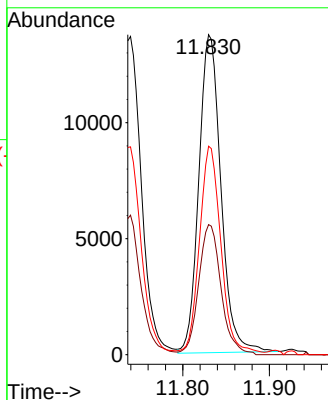
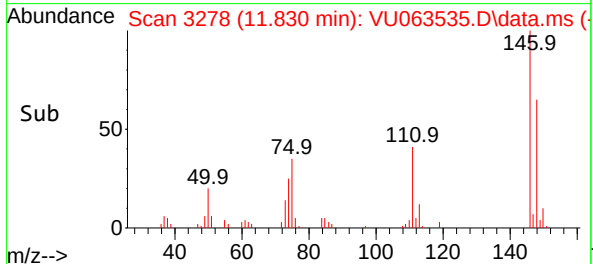
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02



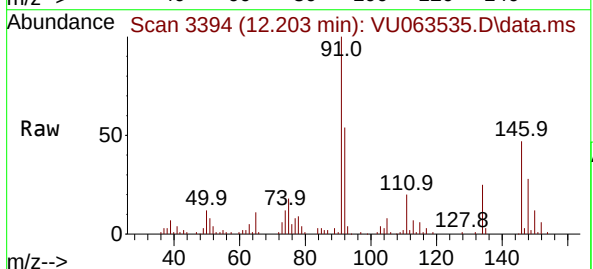
Tgt Ion: 146 Resp: 24280
Ion Ratio Lower Upper
146 100
111 41.5 32.0 48.0
148 62.4 50.2 75.2

Manual Integrations
APPROVED

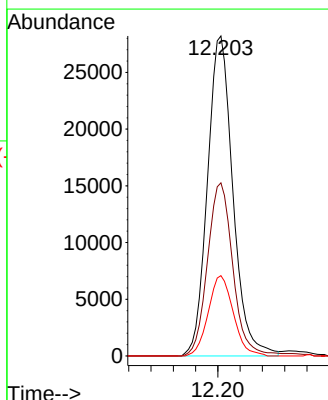
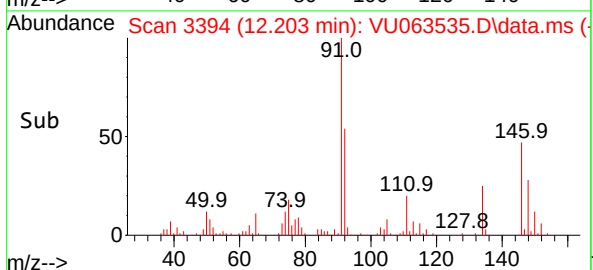
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

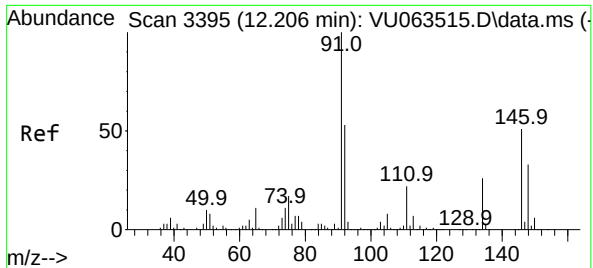


#84
n-Butylbenzene
Concen: 2.024 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50



Tgt Ion: 91 Resp: 44796
Ion Ratio Lower Upper
91 100
92 54.4 41.5 62.3
134 24.6 20.6 30.8





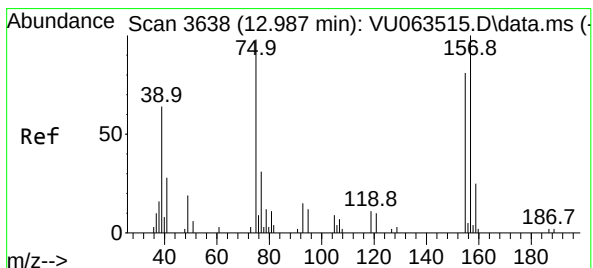
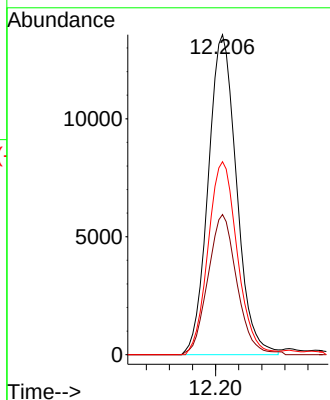
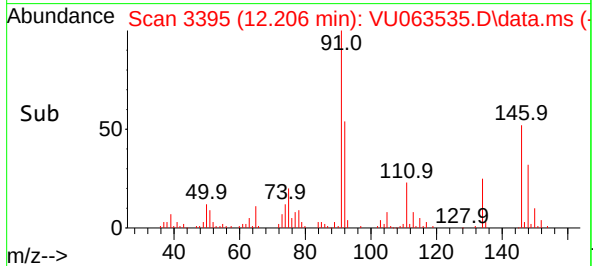
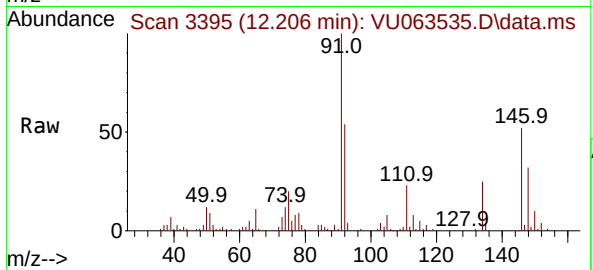
#85
1,2-Dichlorobenzene
Concen: 2.048 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:	146	Resp:	2307
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.7	65.1
148	62.3	31.8	95.3

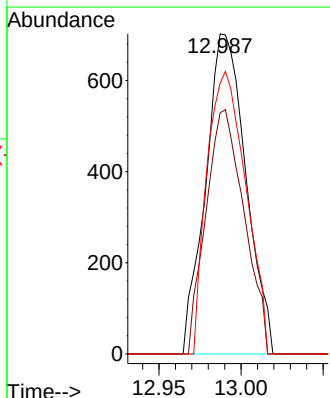
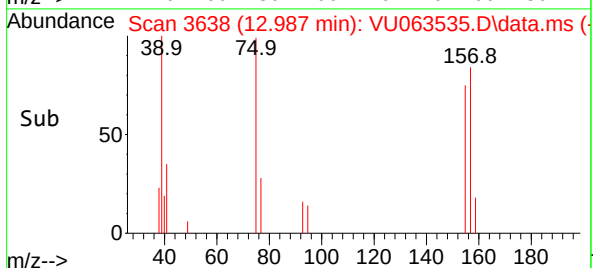
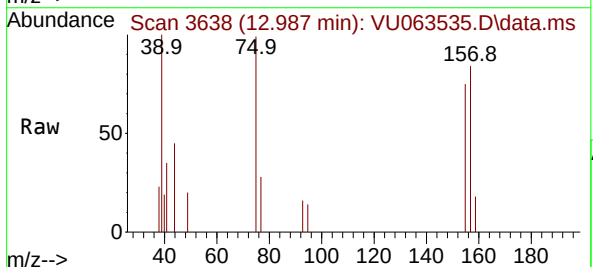
Manual Integrations
APPROVED

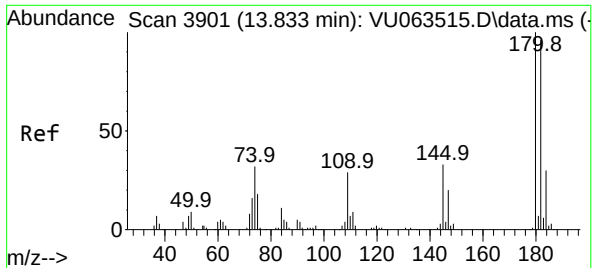
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 1.944 ug/l
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion:	75	Resp:	1197
Ion Ratio	Lower	Upper	
75	100		
155	72.5	65.8	98.6
157	85.3	81.4	122.2





#87

1,2,4-Trichlorobenzene

Concen: 1.929 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

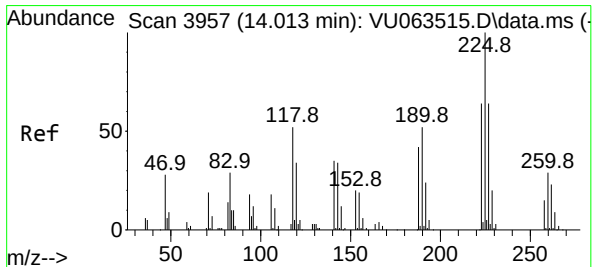
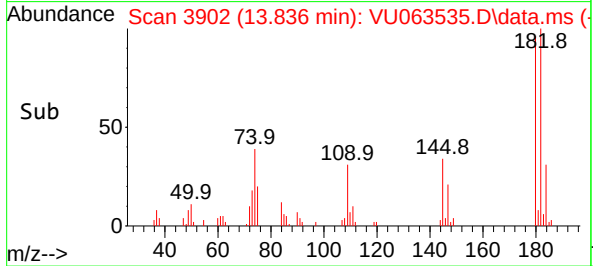
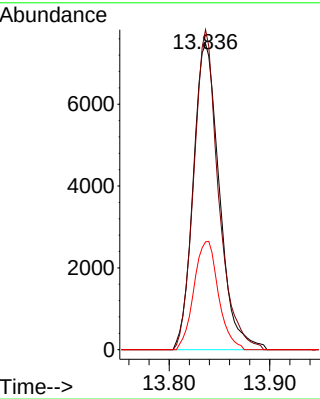
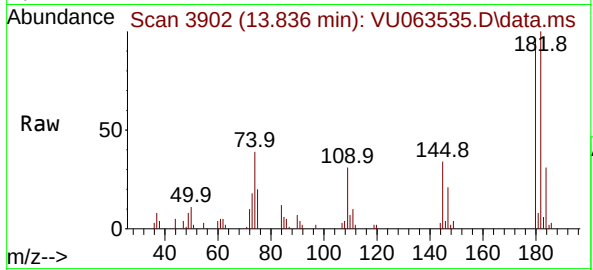
VU0718WBS02

Tgt Ion:	180	Resp:	1351
Ion Ratio	Lower	Upper	
180	100		
182	98.5	76.2	114.4
145	33.1	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#88

Hexachlorobutadiene

Concen: 1.894 ug/l

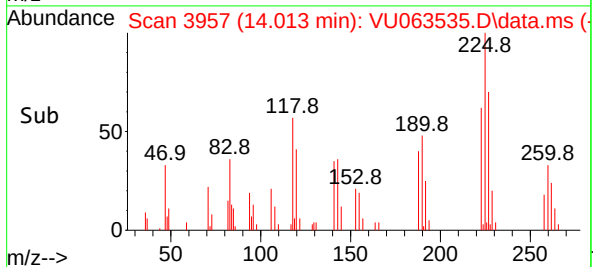
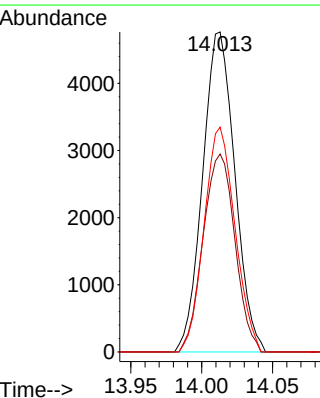
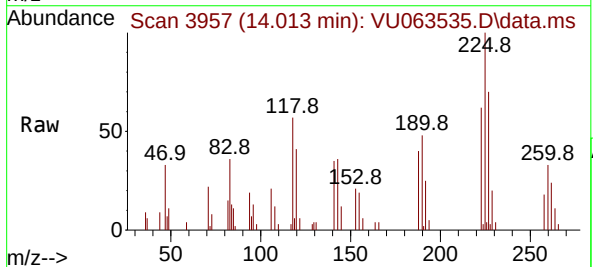
RT: 14.013 min Scan# 3957

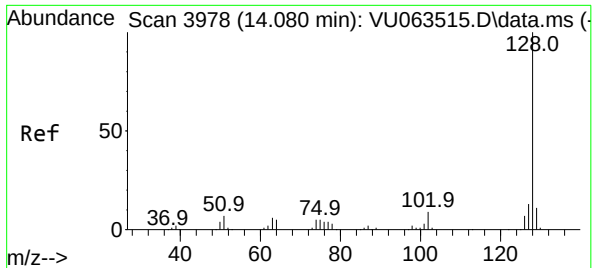
Delta R.T. -0.000 min

Lab File: VU063535.D

Acq: 18 Jul 2025 11:50

Tgt Ion:	225	Resp:	7537
Ion Ratio	Lower	Upper	
225	100		
223	61.2	50.8	76.2
227	67.5	51.0	76.6





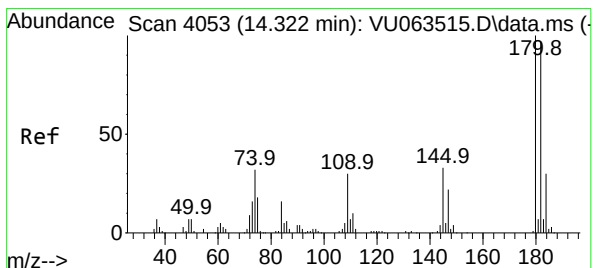
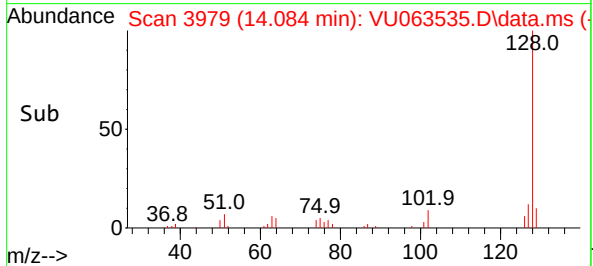
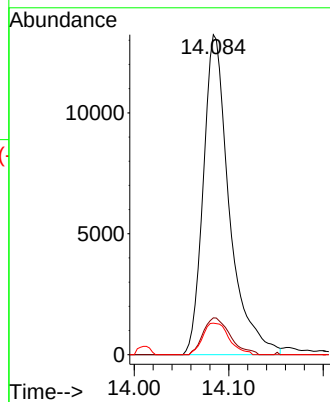
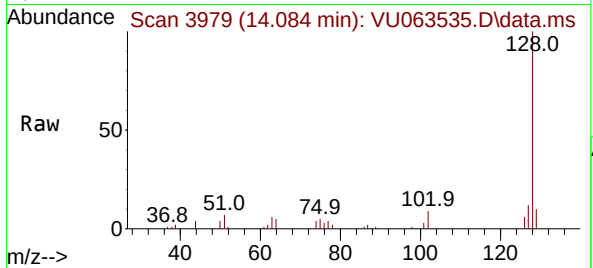
#89
Naphthalene
Concen: 2.015 ug/l
RT: 14.084 min Scan# 3978
Delta R.T. 0.004 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBS02

Tgt Ion:128 Resp: 2530
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.0 8.8 13.2

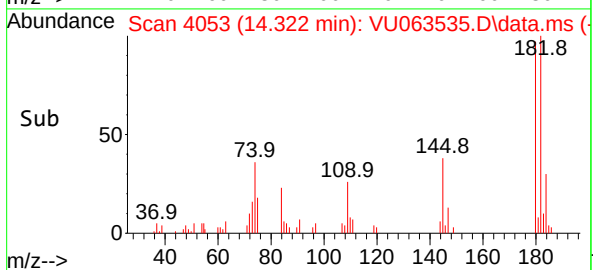
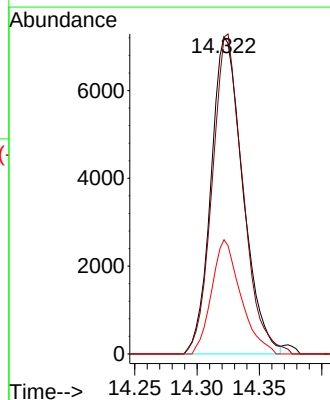
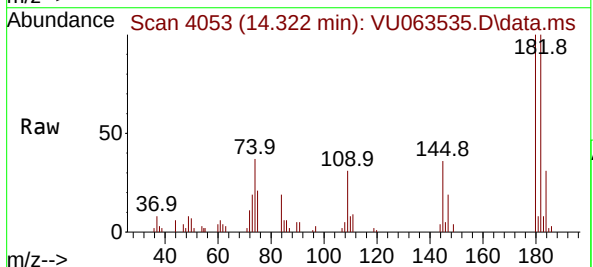
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#90
1,2,3-Trichlorobenzene
Concen: 1.983 ug/l
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063535.D
Acq: 18 Jul 2025 11:50

Tgt Ion:180 Resp: 12842
Ion Ratio Lower Upper
180 100
182 96.7 78.0 117.0
145 33.0 27.3 40.9



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBSD02		SDG No.:	Q2552
Lab Sample ID:	VU0718WBSD02		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063536.D	1	07/18/25 13:28	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10		0.12	0.50	ug/L
74-87-3	Chloromethane	2.20		0.13	0.50	ug/L
75-01-4	Vinyl Chloride	2.20		0.12	0.50	ug/L
74-83-9	Bromomethane	2.40		0.15	0.50	ug/L
75-00-3	Chloroethane	2.20		0.14	0.50	ug/L
109-99-9	Tetrahydrofuran	4.70		0.42	1.00	ug/L
75-69-4	Trichlorofluoromethane	2.30		0.20	0.50	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.40		0.11	0.50	ug/L
75-65-0	tert-Butyl Alcohol	23.3		3.60	10.0	ug/L
60-29-7	Diethyl Ether	2.30		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	2.20		0.13	0.50	ug/L
107-13-1	Acrylonitrile	4.40		0.44	1.00	ug/L
67-64-1	Acetone	20.9		0.97	2.50	ug/L
75-15-0	Carbon Disulfide	1.80		0.12	0.50	ug/L
1634-04-4	Methyl tert-Butyl Ether	2.30		0.11	0.50	ug/L
96-33-3	Methyl acrylate	2.10		0.33	0.50	ug/L
75-09-2	Methylene Chloride	2.40		0.44	0.50	ug/L
156-60-5	trans-1,2-Dichloroethene	2.30		0.14	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.30		0.13	0.50	ug/L
110-82-7	Cyclohexane	2.10		0.14	0.50	ug/L
78-93-3	2-Butanone	15.4		0.72	2.50	ug/L
56-23-5	Carbon Tetrachloride	2.00		0.13	0.50	ug/L
594-20-7	2,2-Dichloropropane	2.20		0.12	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.30		0.13	0.50	ug/L
74-97-5	Bromochloromethane	2.30		0.17	0.50	ug/L
67-66-3	Chloroform	2.30		0.17	0.50	ug/L
71-55-6	1,1,1-Trichloroethane	2.20		0.12	0.50	ug/L
108-87-2	Methylcyclohexane	2.00		0.090	0.50	ug/L
563-58-6	1,1-Dichloropropene	2.20		0.11	0.50	ug/L
107-12-0	Propionitrile	11.8		1.20	2.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBSD02		SDG No.:	Q2552
Lab Sample ID:	VU0718WBSD02		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063536.D	1	07/18/25 13:28	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	2.40		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.40		0.14	0.50	ug/L
79-01-6	Trichloroethene	1.80		0.13	0.50	ug/L
78-87-5	1,2-Dichloropropane	2.10		0.13	0.50	ug/L
109-69-3	1-Chlorobutane	2.30		0.12	0.50	ug/L
74-95-3	Dibromomethane	2.00		0.15	0.50	ug/L
75-27-4	Bromodichloromethane	1.80		0.13	0.50	ug/L
108-10-1	4-Methyl-2-Pentanone	10.8		0.63	2.50	ug/L
108-88-3	Toluene	2.10		0.11	0.50	ug/L
10061-02-6	t-1,3-Dichloropropene	1.70		0.11	0.50	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60		0.11	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	2.20		0.13	0.50	ug/L
142-28-9	1,3-Dichloropropane	2.20		0.12	0.50	ug/L
591-78-6	2-Hexanone	13.1		0.65	2.50	ug/L
124-48-1	Dibromochloromethane	1.70		0.20	0.50	ug/L
106-93-4	1,2-Dibromoethane	2.10		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
108-90-7	Chlorobenzene	2.00		0.11	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.80		0.13	0.50	ug/L
67-72-1	Hexachloroethane	1.70		0.12	0.50	ug/L
100-41-4	Ethyl Benzene	2.10		0.41	0.50	ug/L
179601-23-1	m/p-Xylenes	4.10		0.73	1.00	ug/L
1330-20-7	Total Xylenes	6.20		1.09	1.50	ug/L
95-47-6	o-Xylene	2.10		0.36	0.50	ug/L
100-42-5	Styrene	2.10		0.38	0.50	ug/L
75-25-2	Bromoform	1.50		0.31	0.50	ug/L
98-82-8	Isopropylbenzene	2.10		0.38	0.50	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.10		0.13	0.50	ug/L
96-18-4	1,2,3-Trichloropropane	2.20		0.19	0.50	ug/L
108-86-1	Bromobenzene	2.00		0.13	0.50	ug/L
103-65-1	n-propylbenzene	2.00		0.42	0.50	ug/L

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBSD02	SDG No.:	Q2552	
Lab Sample ID:	VU0718WBSD02	Matrix:	Water	
Analytical Method:	E524.2	% Solid:	0	
Sample Wt/Vol:	25	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	25000	uL
		Test:	VOCMS Group2	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063536.D	1	07/18/25 13:28	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.10		0.27	0.50	ug/L
108-67-8	1,3,5-Trimethylbenzene	2.10		0.37	0.50	ug/L
106-43-4	4-Chlorotoluene	2.20		0.27	0.50	ug/L
98-06-6	tert-Butylbenzene	2.10		0.37	0.50	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.10		0.40	0.50	ug/L
135-98-8	sec-Butylbenzene	2.20		0.36	0.50	ug/L
99-87-6	p-Isopropyltoluene	2.10		0.42	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	2.10		0.13	0.50	ug/L
106-46-7	1,4-Dichlorobenzene	2.10		0.13	0.50	ug/L
104-51-8	n-Butylbenzene	2.20		0.43	0.50	ug/L
95-50-1	1,2-Dichlorobenzene	2.10		0.14	0.50	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00		0.24	0.50	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00		0.21	0.50	ug/L
87-68-3	Hexachlorobutadiene	2.00		0.14	0.50	ug/L
91-20-3	Naphthalene	2.10		0.33	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.10		0.31	0.50	ug/L
74-88-4	Iodomethane	2.00		0.090	1.00	ug/L
107-05-1	Allyl Chloride	2.20		0.13	0.50	ug/L
126-98-7	Methacrylonitrile	2.00		0.24	0.50	ug/L
80-62-6	Methyl methacrylate	3.70		0.24	1.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.10		70 - 130	106%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 - 130	104%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	19300	6.097			

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Drinking Water PT		Date Received:	
Client Sample ID:	VU0718WBSD02		SDG No.:	Q2552
Lab Sample ID:	VU0718WBSD02		Matrix:	Water
Analytical Method:	E524.2		% Solid:	0
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063536.D	1	07/18/25 13:28	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063536.D
 Acq On : 18 Jul 2025 13:28
 Operator : MD/SY
 Sample : VU0718WBSD02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBSD02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:49:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	19268	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7614	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7156	1.061	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	11707	2.061	ug/l	100
3) Chloromethane	1.519	50	11875	2.249	ug/l	96
4) Vinyl Chloride	1.599	62	14950	2.223	ug/l	100
5) Bromomethane	1.846	94	12074	2.380	ug/l	99
6) Chloroethane	1.924	64	8977	2.210	ug/l	96
7) Trichlorofluoromethane	2.129	101	21922	2.270	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	11989	2.376	ug/l	96
9) 1,1-Dichloroethene	2.570	96	11242	2.247	ug/l	96
10) Iodomethane	2.708	142	8739	1.977	ug/l	98
11) Allyl Chloride	2.911	41	15550	2.152	ug/l	96
12) Acrylonitrile	3.306	53	5556	4.441	ug/l	92
13) Acetone	2.618	43	20902	20.852	ug/l	99
14) Carbon Disulfide	2.779	76	28738	1.779	ug/l	98
15) Methylene Chloride	3.030	84	13971	2.372	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	12876	2.266	ug/l	98
17) 1,1-Dichloroethane	3.850	63	24279	2.306	ug/l	99
18) 2-Butanone	4.715	43	23888	15.388	ug/l	99
19) Cyclohexane	5.361	56	18940	2.124	ug/l	96
20) Methylcyclohexane	6.743	83	17035	1.966	ug/l	98
21) 2,2-Dichloropropane	4.644	77	19328	2.156	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	14276	2.316	ug/l	98
23) Diethyl Ether	2.371	59	8887	2.331	ug/l	97
24) tert-Butyl Alcohol	3.194	59	10709	23.273	ug/l #	88
25) Methyl tert-Butyl Ether	3.361	73	29677	2.272	ug/l #	91
26) Bromochloromethane	4.952	128	5952	2.312	ug/l	95
27) Chloroform	5.071	83	24451	2.276	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	20196	2.215	ug/l	98
29) 1,1-Dichloropropene	5.502	75	18978	2.246	ug/l	95
30) Carbon Tetrachloride	5.502	117	14643	1.995	ug/l	99
31) Isopropyl Ether	3.991	45	36969	2.326	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	34594	2.352	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	28665	2.245	ug/l	99
34) Propionitrile	4.772	54	5603	11.846	ug/l #	94
35) Benzene	5.756	78	53680	2.365	ug/l	98
36) 1,2-Dichloroethane	5.779	62	16842	2.388	ug/l	100
37) Trichloroethene	6.528	130	10679	1.844	ug/l	100
38) 1,2-Dichloropropane	6.782	63	10940	2.059	ug/l	99
39) Methacrylonitrile	4.975	41	4241	2.017	ug/l	92
40) Methyl acrylate	4.846	55	6486	2.110	ug/l #	91
41) Tetrahydrofuran	5.059	42	5189	4.692	ug/l #	77
42) 1-Chlorobutane	5.438	56	25284	2.251	ug/l	95
43) Dibromomethane	6.907	93	5560	2.020	ug/l	95
44) Bromodichloromethane	7.097	83	10964	1.767	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063536.D
 Acq On : 18 Jul 2025 13:28
 Operator : MD/SY
 Sample : VU0718WBSD02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBSD02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:49:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	30755	10.843	ug/l	97
46) t-1,4-Dichloro-2-butene	10.817	75	5043m	4.736	ug/l	
47) Methyl methacrylate	6.968	69	8511	3.682	ug/l	91
48) Ethyl methacrylate	8.335	69	9034	2.048	ug/l	96
49) Toluene	7.959	92	25956	2.094	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	8216	1.687	ug/l	93
51) cis-1,3-Dichloropropene	7.602	75	10634	1.627	ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	8048	2.172	ug/l	96
53) 1,3-Dichloropropane	8.570	76	13796	2.157	ug/l	97
54) 2-Hexanone	8.692	43	24615	13.065	ug/l	95
55) Dibromochloromethane	8.801	129	6808	1.739	ug/l	99
56) 1,2-Dibromoethane	8.917	107	6819	2.056	ug/l	98
58) Tetrachloroethene	8.541	164	10549	1.990	ug/l	98
59) Chlorobenzene	9.441	112	28641	2.012	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.525	131	8230	1.798	ug/l	98
61) Pentachloroethane	11.418	117	6265	1.937	ug/l	84
62) Hexachloroethane	12.467	117	5390	1.683	ug/l	92
63) Ethyl Benzene	9.560	91	50414	2.058	ug/l	98
64) m/p-Xylenes	9.685	106	38857	4.081	ug/l	97
65) o-Xylene	10.091	106	19332	2.113	ug/l	100
66) Styrene	10.107	104	30736	2.108	ug/l	98
67) Bromoform	10.280	173	2978	1.481	ug/l #	98
69) Isopropylbenzene	10.476	105	46699	2.111	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	9660	2.143	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	8186m	2.236	ug/l	
72) Bromobenzene	10.775	156	11298	1.979	ug/l	75
73) n-propylbenzene	10.898	120	13570	2.038	ug/l	84
74) 2-Chlorotoluene	10.978	126	12112	2.058	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	43903	2.078	ug/l	99
76) 4-Chlorotoluene	11.091	126	13235	2.215	ug/l	97
77) tert-Butylbenzene	11.412	119	41833	2.072	ug/l	96
78) 1,2,4-Trimethylbenzene	11.460	105	43487	2.075	ug/l	99
79) sec-Butylbenzene	11.634	105	59111	2.171	ug/l	97
80) Nitrobenzene	13.209	77	645m	9.336	ug/l	
81) p-Isopropyltoluene	11.785	119	47339	2.083	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	24202	2.119	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	24293	2.125	ug/l	95
84) n-Butylbenzene	12.203	91	46810	2.220	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	22553	2.102	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.988	75	1179	2.002	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	13450	2.016	ug/l	98
88) Hexachlorobutadiene	14.013	225	7762	2.048	ug/l	98
89) Naphthalene	14.084	128	25184	2.106	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	12827	2.080	ug/l	99

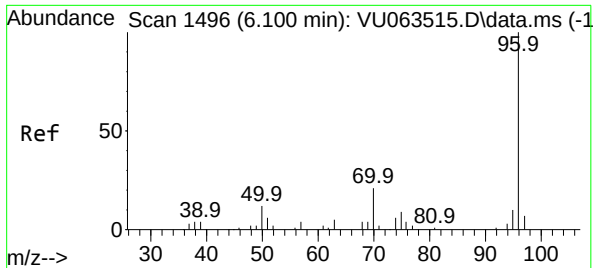
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Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Manual Integrations

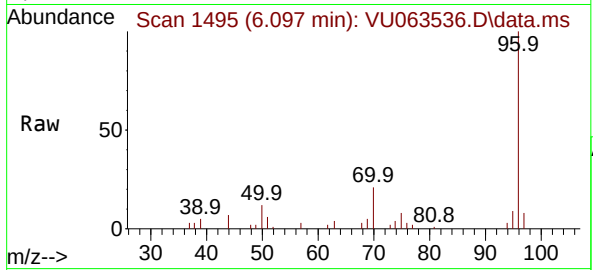
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

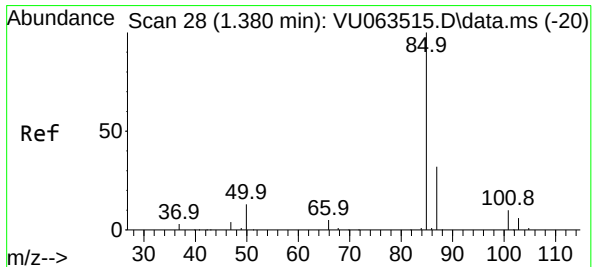
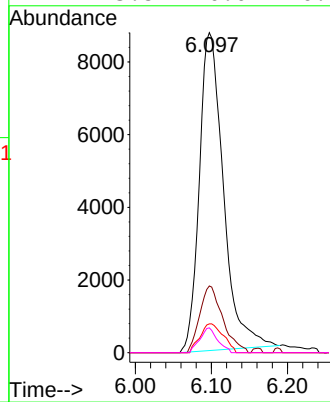
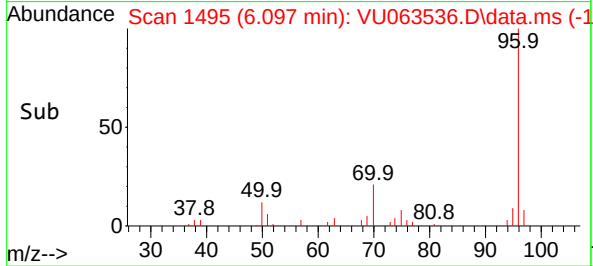
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



Tgt Ion: 96 Resp: 1926
Ion Ratio Lower Upper
96 100
70 20.1 15.0 22.4
95 8.7 7.4 11.0
97 5.8 0.0 0.0#

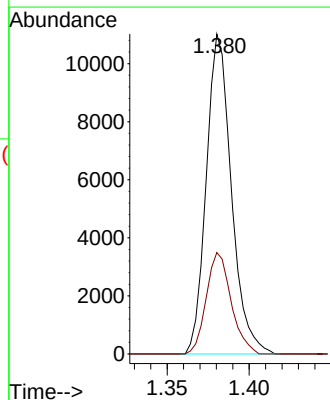
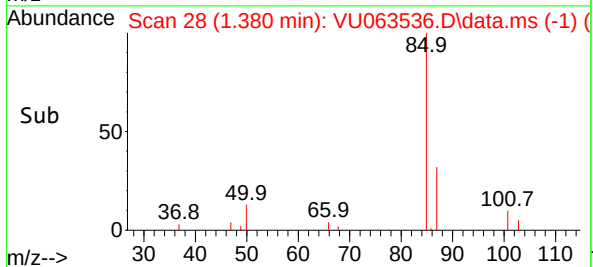
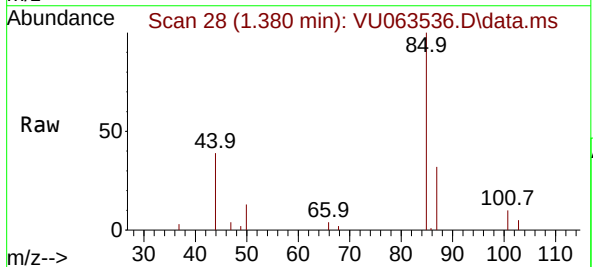
Manual Integrations
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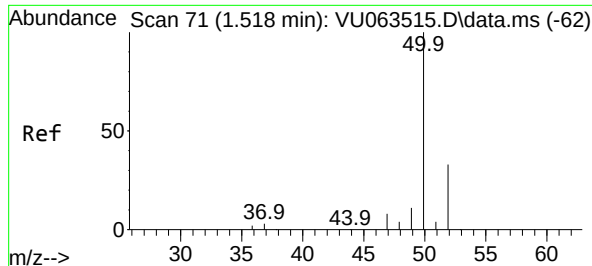
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#2
Dichlorodifluoromethane
Concen: 2.061 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 85 Resp: 11707
Ion Ratio Lower Upper
85 100
87 31.7 16.0 47.9





#3

Chloromethane

Concen: 2.249 ug/l

RT: 1.519 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 50 Resp: 1187

Ion Ratio Lower Upper

50 100

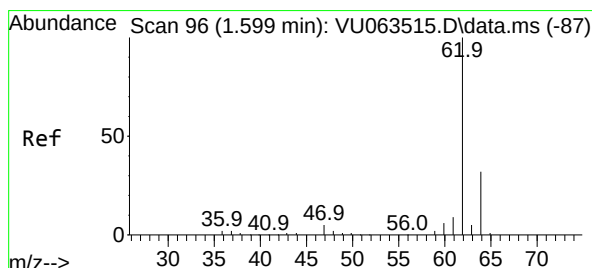
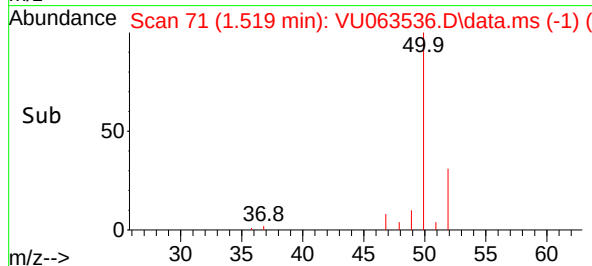
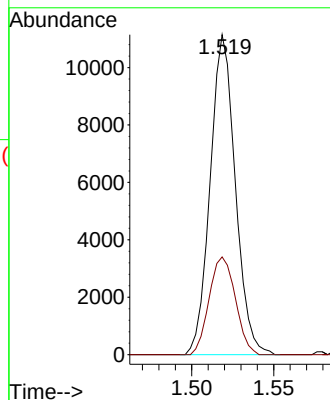
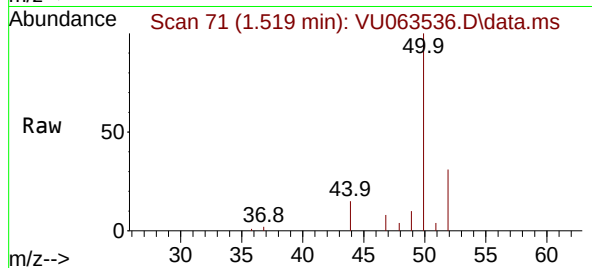
52 30.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#4

Vinyl Chloride

Concen: 2.223 ug/l

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063536.D

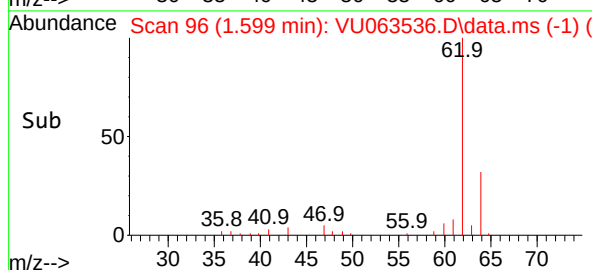
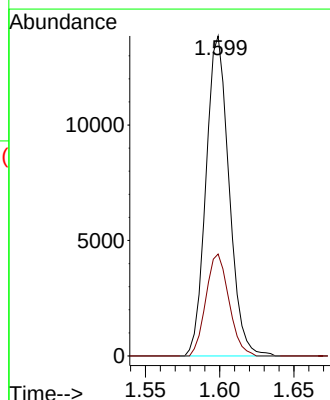
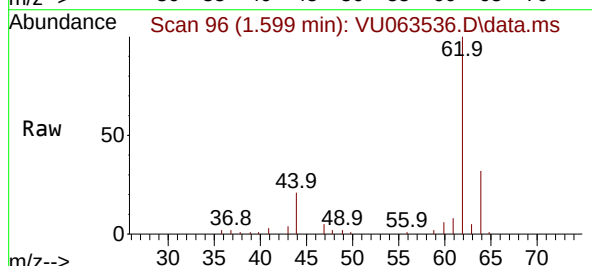
Acq: 18 Jul 2025 13:28

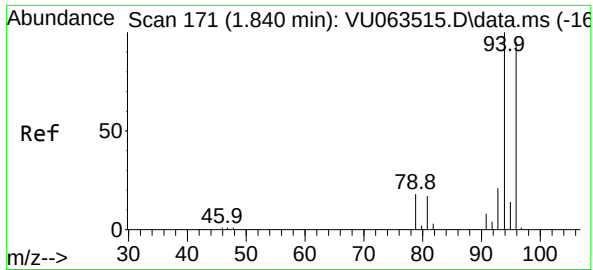
Tgt Ion: 62 Resp: 14950

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





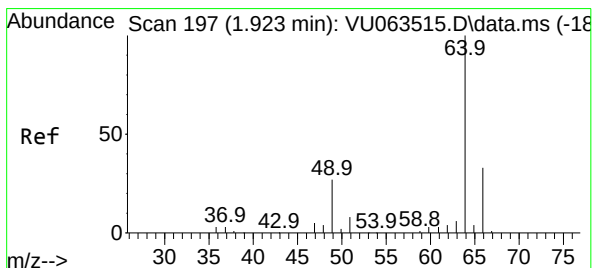
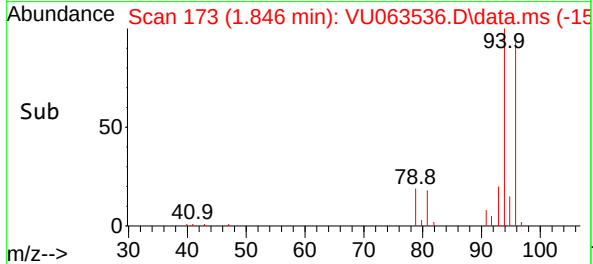
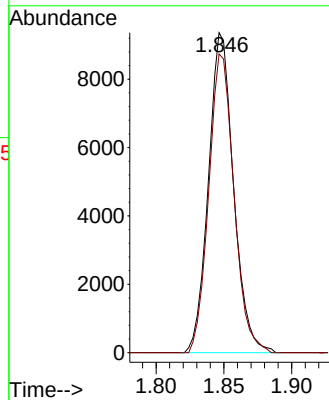
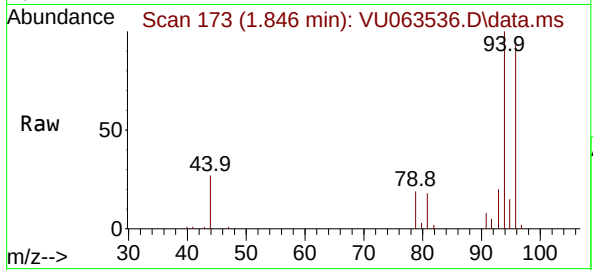
#5
Bromomethane
Concen: 2.380 ug/l
RT: 1.846 min Scan# 171
Delta R.T. 0.007 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion: 94 Resp: 12074
Ion Ratio Lower Upper
94 100
96 93.3 75.8 113.6

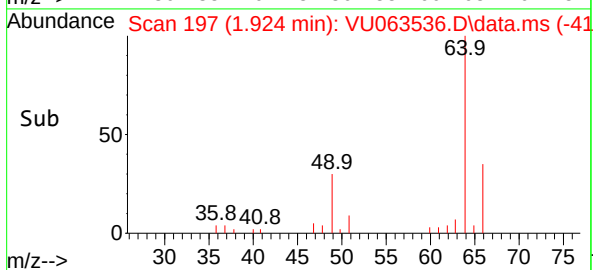
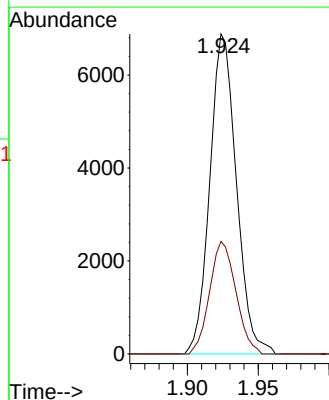
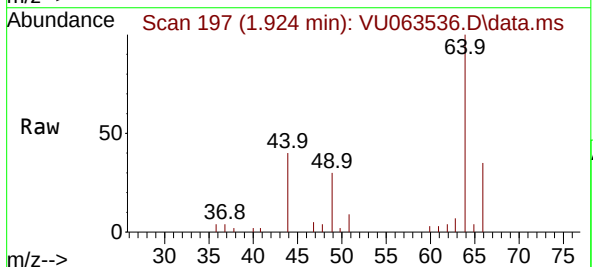
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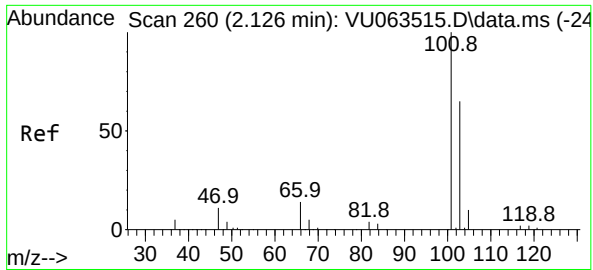
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#6
Chloroethane
Concen: 2.210 ug/l
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 64 Resp: 8977
Ion Ratio Lower Upper
64 100
66 35.1 26.2 39.4





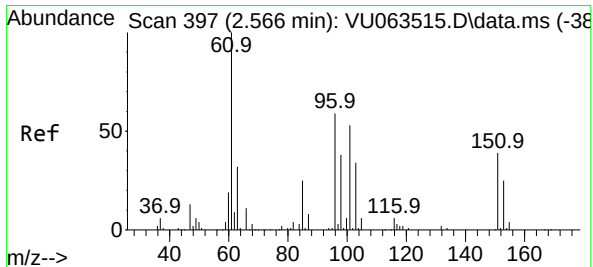
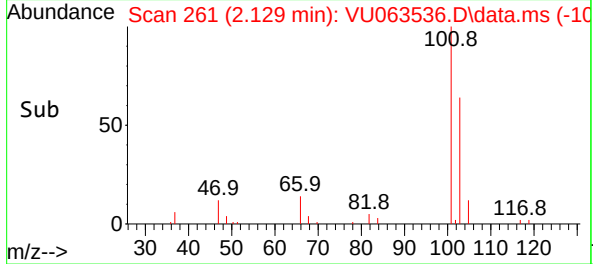
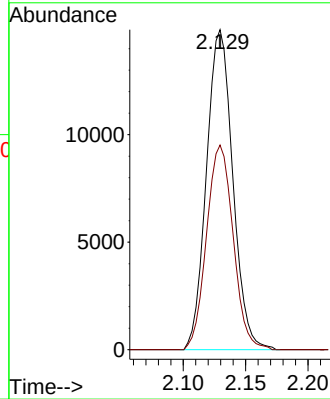
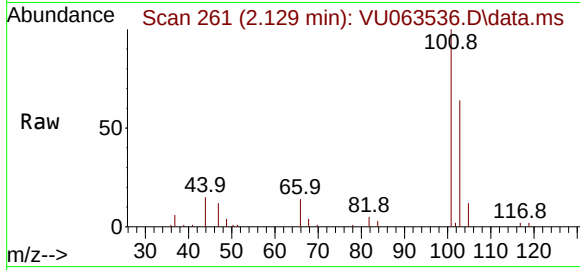
#7
Trichlorofluoromethane
Concen: 2.270 ug/l
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:101 Resp: 2192
Ion Ratio Lower Upper
101 100
103 63.9 52.2 78.4

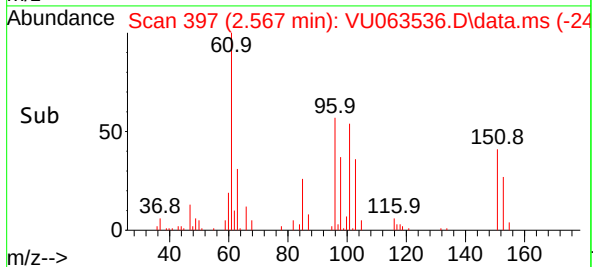
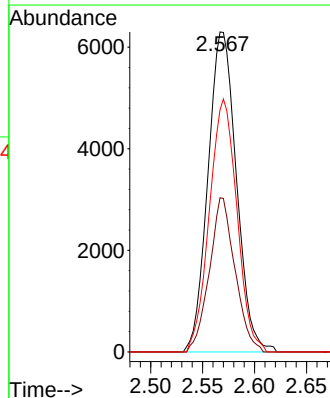
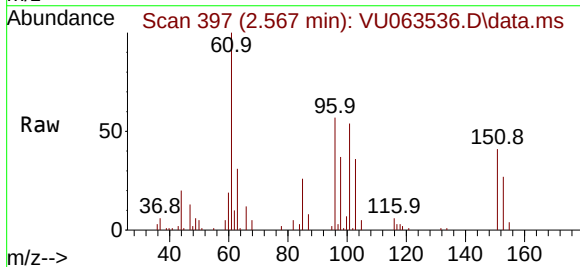
Manual Integrations
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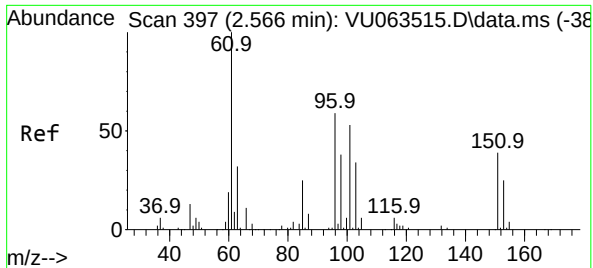
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.376 ug/l
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion:101 Resp: 11989
Ion Ratio Lower Upper
101 100
85 43.6 37.8 56.6
151 76.6 59.2 88.8





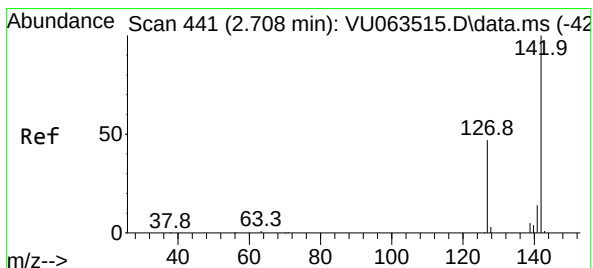
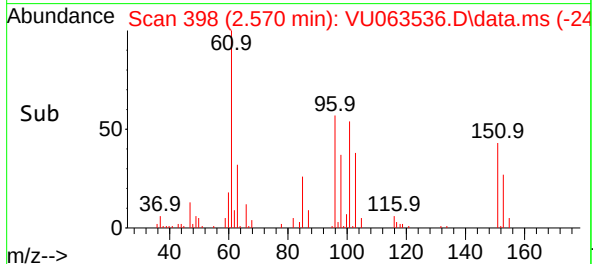
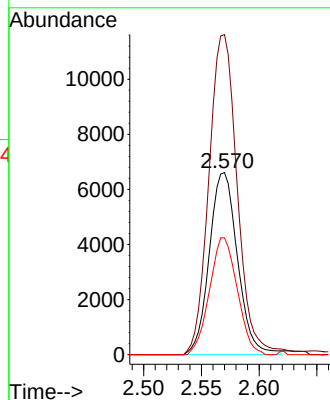
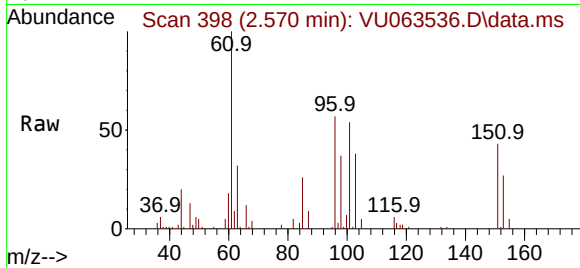
#9
1,1-Dichloroethene
Concen: 2.247 ug/l
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:	96	Resp:	1124
Ion Ratio	Lower	Upper	
96	100		
61	175.7	0.0	504.3
98	64.2	0.0	126.8

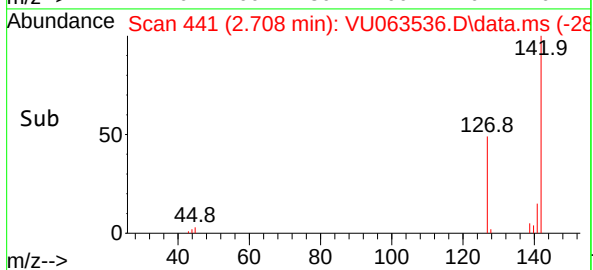
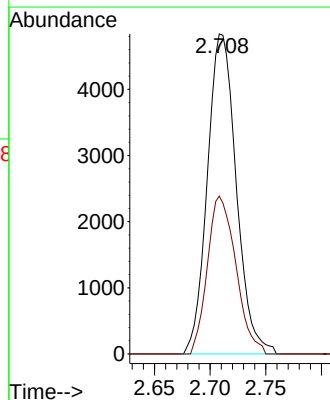
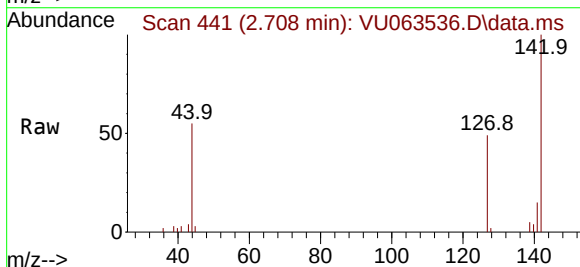
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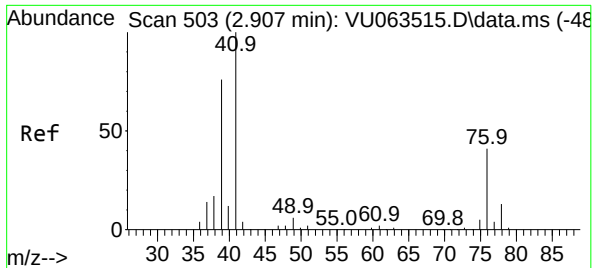
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#10
Iodomethane
Concen: 1.977 ug/l
RT: 2.708 min Scan# 441
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion:	142	Resp:	8739
Ion Ratio	Lower	Upper	
142	100		
127	48.5	37.9	56.9





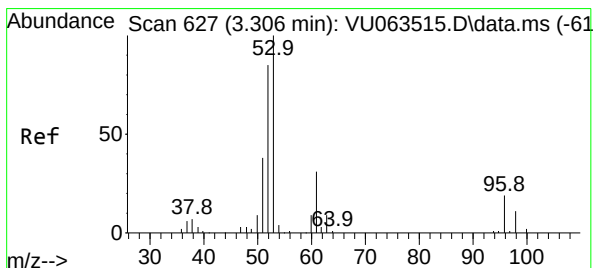
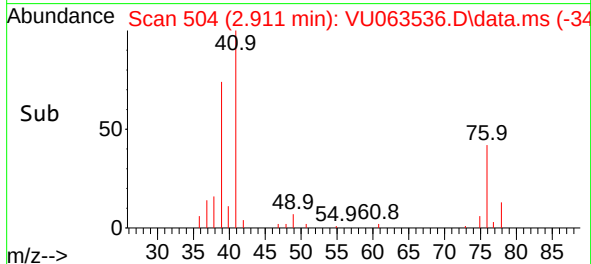
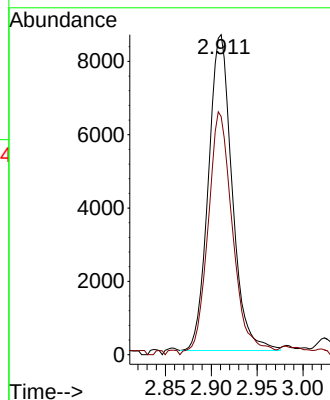
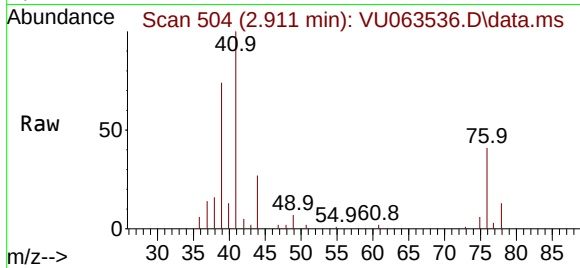
#11
 Allyl Chloride
 Concen: 2.152 ug/l
 RT: 2.911 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VU063536.D
 Acq: 18 Jul 2025 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0718WBSD02

Tgt Ion: 41 Resp: 1555
 Ion Ratio Lower Upper
 41 100
 39 79.9 61.5 92.3

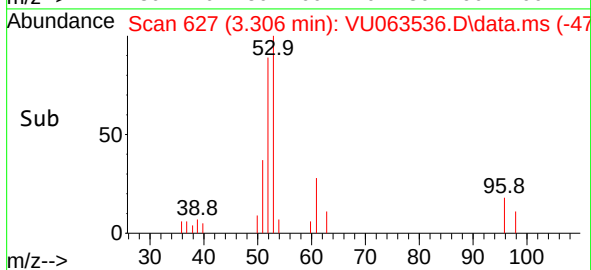
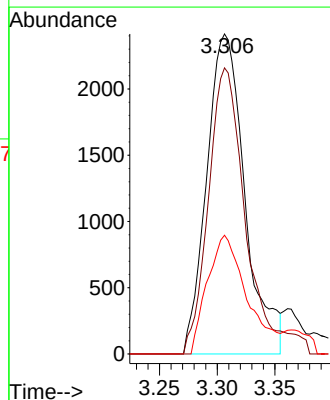
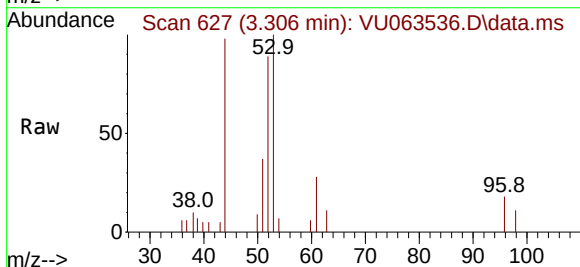
Manual Integrations
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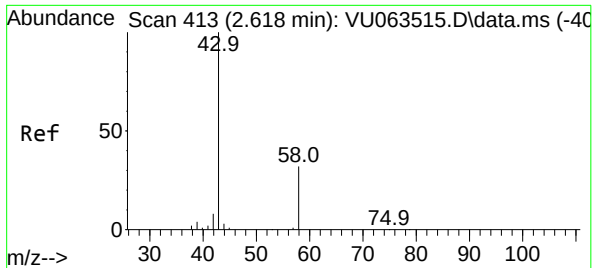
Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025



#12
 Acrylonitrile
 Concen: 4.441 ug/l
 RT: 3.306 min Scan# 627
 Delta R.T. 0.000 min
 Lab File: VU063536.D
 Acq: 18 Jul 2025 13:28

Tgt Ion: 53 Resp: 5556
 Ion Ratio Lower Upper
 53 100
 52 87.6 64.3 96.5
 51 38.6 27.8 41.8





#13

Acetone

Concen: 20.852 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

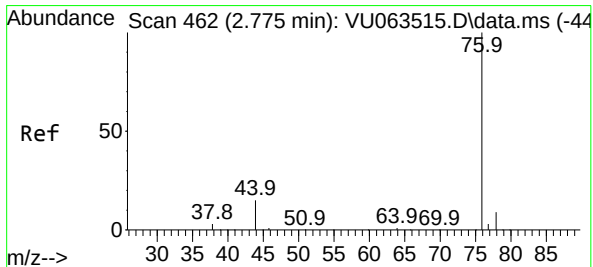
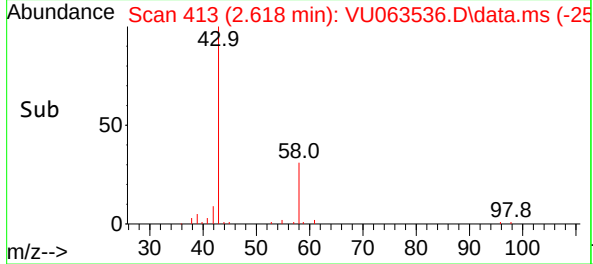
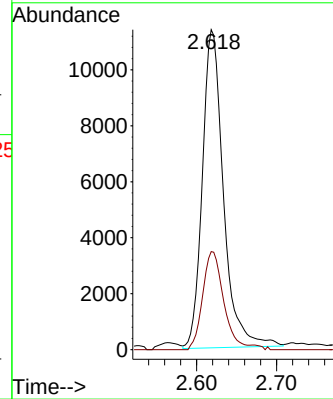
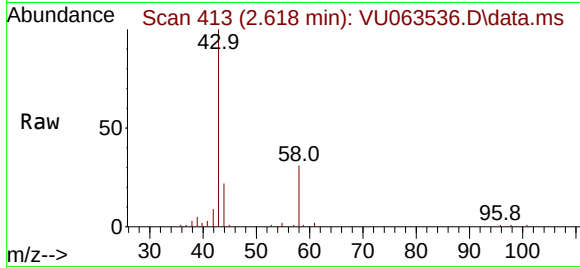
Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:	43	Resp:	2090
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.4	38.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#14

Carbon Disulfide

Concen: 1.779 ug/l

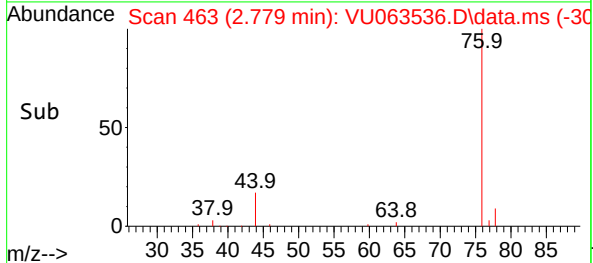
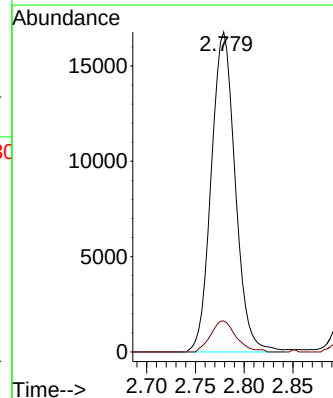
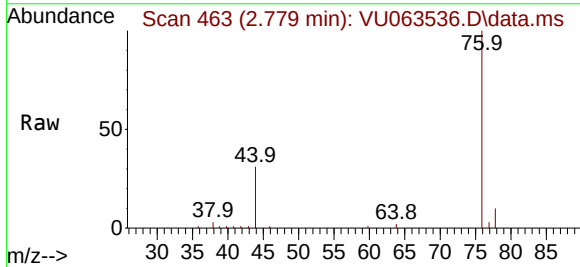
RT: 2.779 min Scan# 463

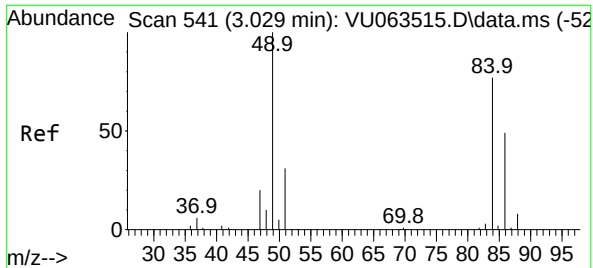
Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

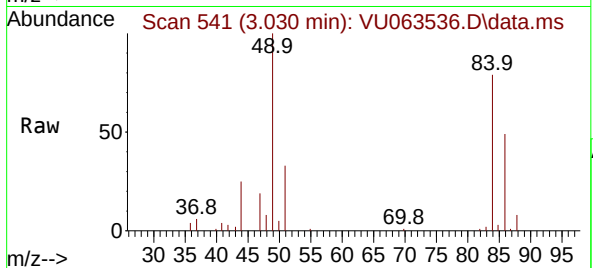
Tgt Ion:	76	Resp:	28738
Ion Ratio	Lower	Upper	
76	100		
78	9.7	7.0	10.6





#15
Methylene Chloride
Concen: 2.372 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

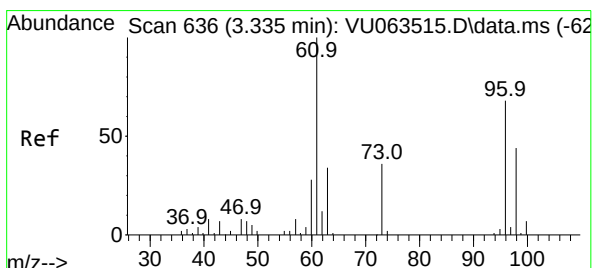
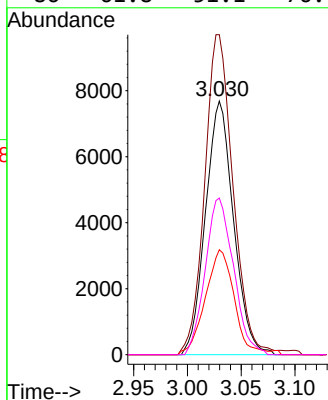
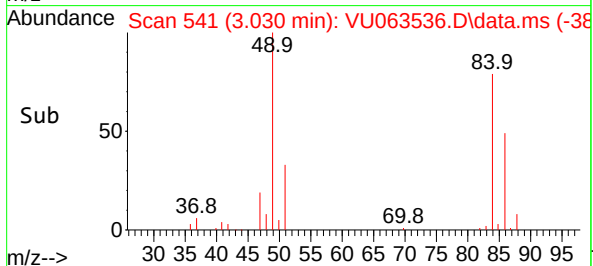
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



Tgt Ion: 84 Resp: 1397
Ion Ratio Lower Upper
84 100
49 126.2 103.8 155.8
51 41.4 0.0 80.4
86 61.8 51.1 76.7

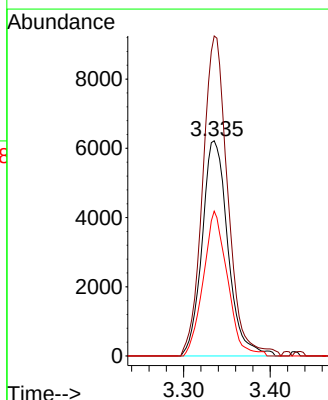
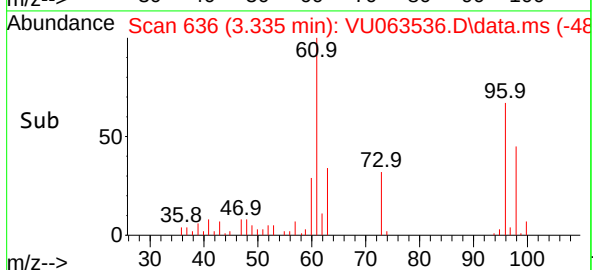
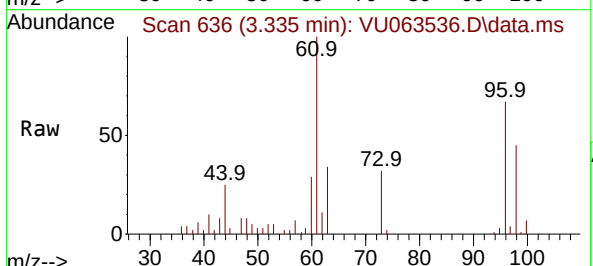
Manual Integrations
APPROVED

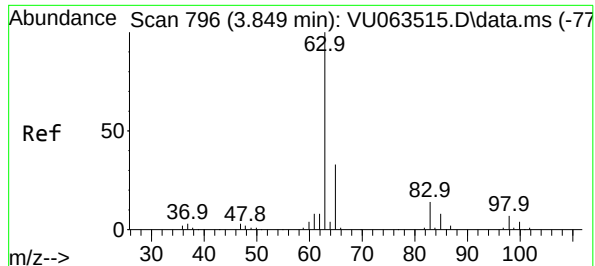
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#16
trans-1,2-Dichloroethene
Concen: 2.266 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 96 Resp: 12876
Ion Ratio Lower Upper
96 100
61 148.7 117.2 175.8
98 67.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 2.306 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

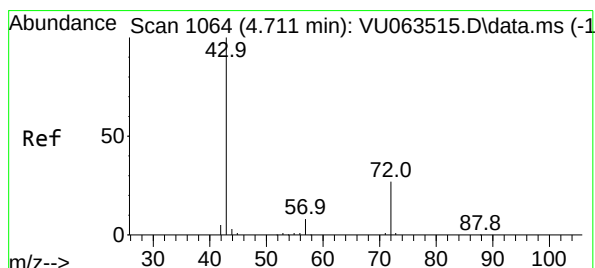
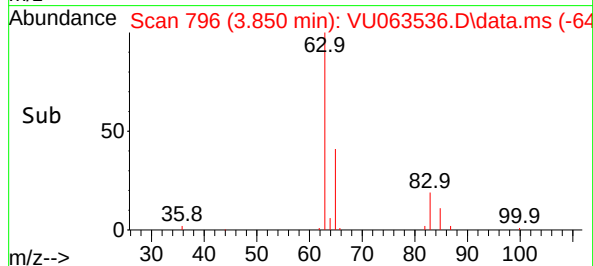
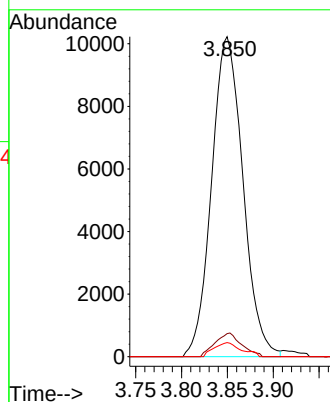
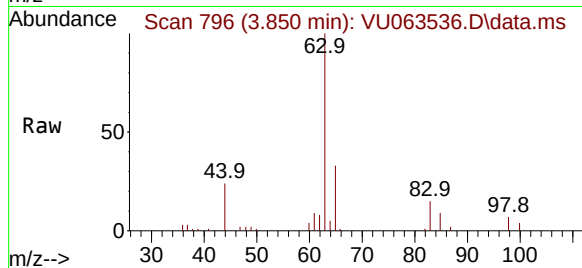
ClientSampleId :

VU0718WBSD02

Tgt Ion:	63	Resp:	24279
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.4	10.2
100	4.4	2.1	6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#18

2-Butanone

Concen: 15.388 ug/l

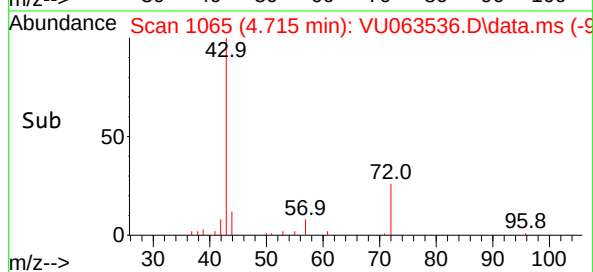
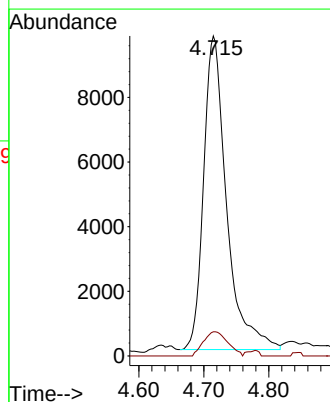
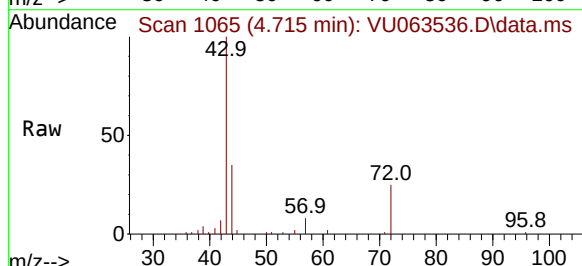
RT: 4.715 min Scan# 1065

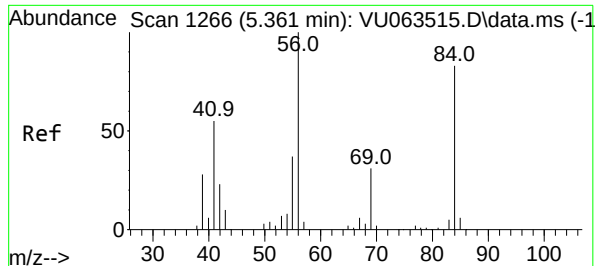
Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:	43	Resp:	23888
Ion Ratio	Lower	Upper	
43	100		
57	7.7	0.0	16.4





#19

Cyclohexane

Concen: 2.124 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

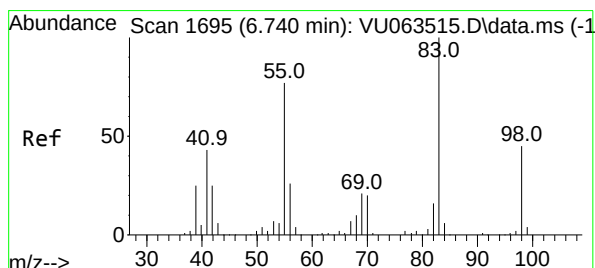
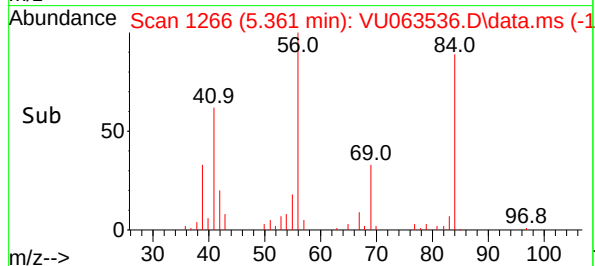
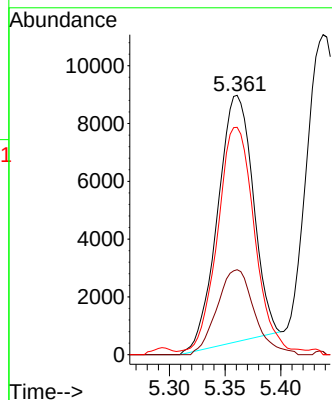
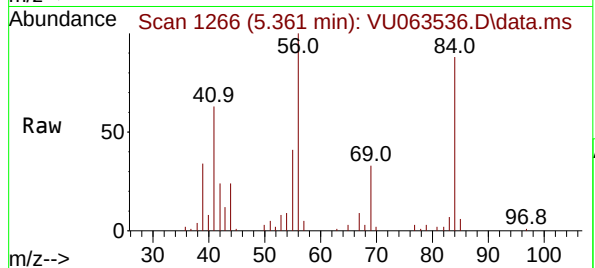
Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:	56	Resp:	18940
Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.6	39.8
84	92.6	71.0	106.4

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#20

Methylcyclohexane

Concen: 1.966 ug/l

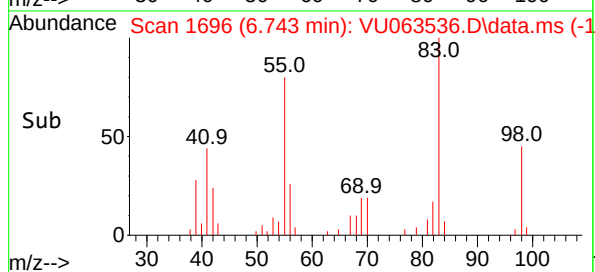
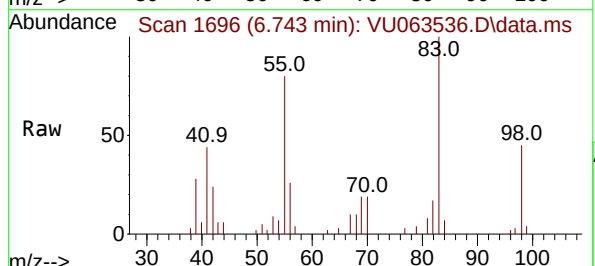
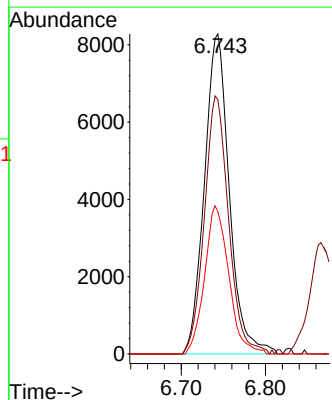
RT: 6.743 min Scan# 1696

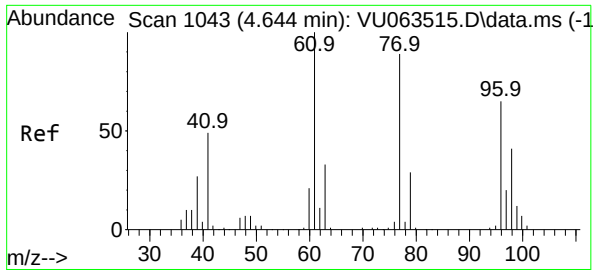
Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:	83	Resp:	17035
Ion	Ratio	Lower	Upper
83	100		
55	78.4	60.6	90.8
98	44.9	35.8	53.8





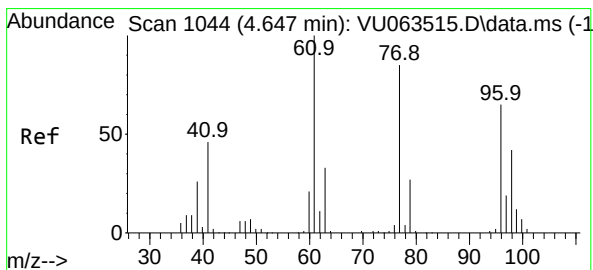
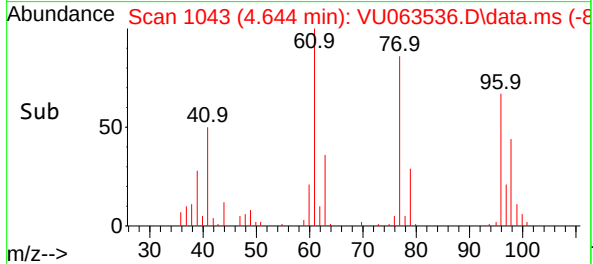
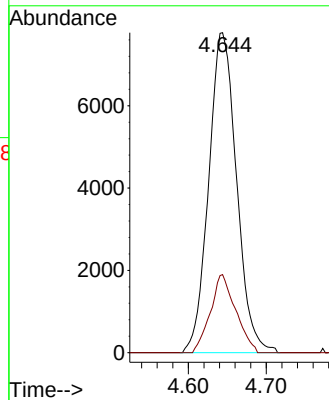
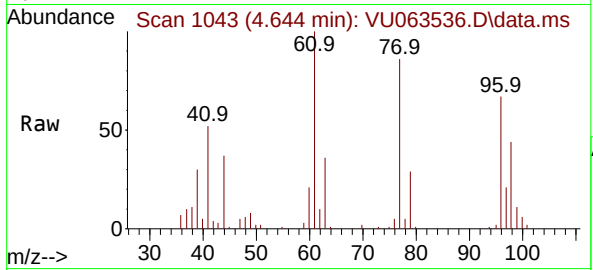
#21
2,2-Dichloropropane
Concen: 2.156 ug/l
RT: 4.644 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion: 77 Resp: 19328
Ion Ratio Lower Upper
77 100
97 22.1 17.8 26.8

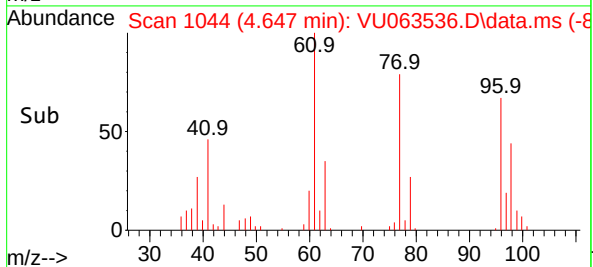
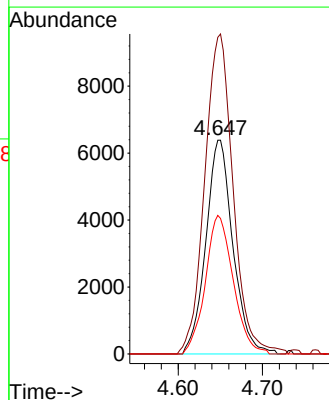
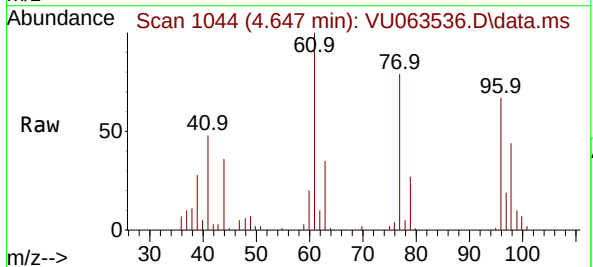
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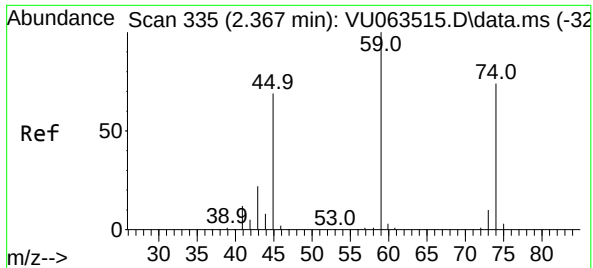
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#22
cis-1,2-Dichloroethene
Concen: 2.316 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 96 Resp: 14276
Ion Ratio Lower Upper
96 100
61 156.5 0.0 384.7
98 66.6 32.1 96.3





#23

Diethyl Ether

Concen: 2.331 ug/l

RT: 2.371 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 59 Resp: 888

Ion Ratio Lower Upper

59 100

45 73.6 55.1 82.7

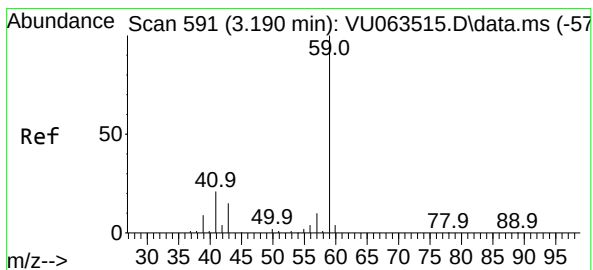
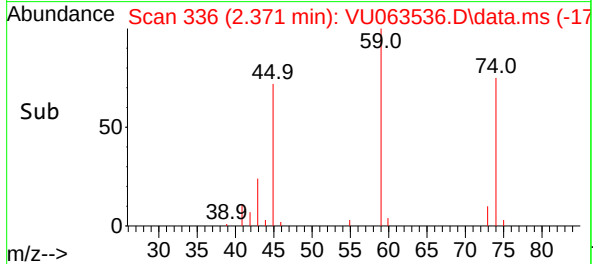
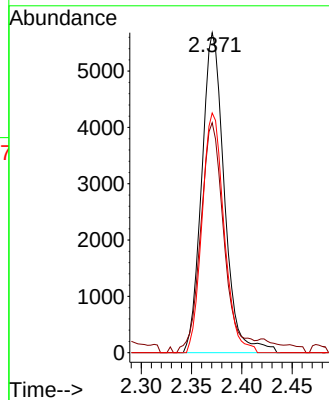
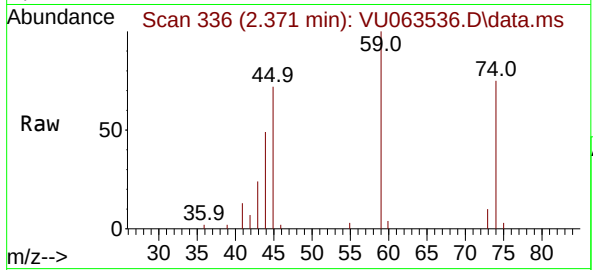
74 72.7 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#24

tert-Butyl Alcohol

Concen: 23.273 ug/l

RT: 3.194 min Scan# 592

Delta R.T. 0.003 min

Lab File: VU063536.D

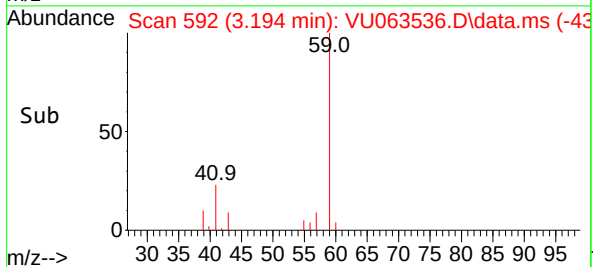
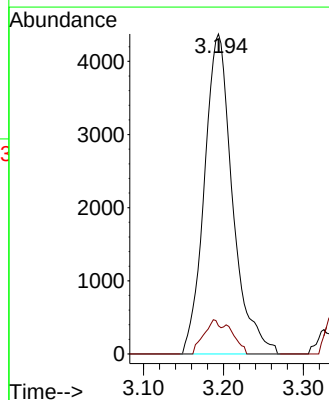
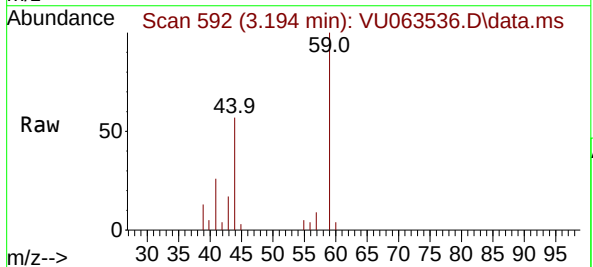
Acq: 18 Jul 2025 13:28

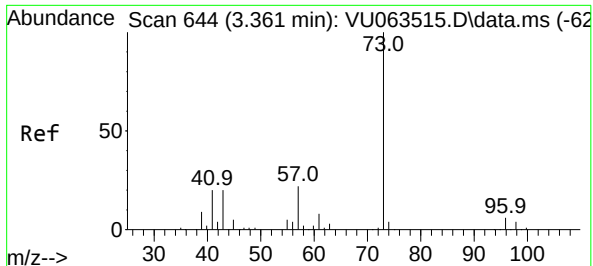
Tgt Ion: 59 Resp: 10709

Ion Ratio Lower Upper

59 100

57 6.2 8.6 12.8#





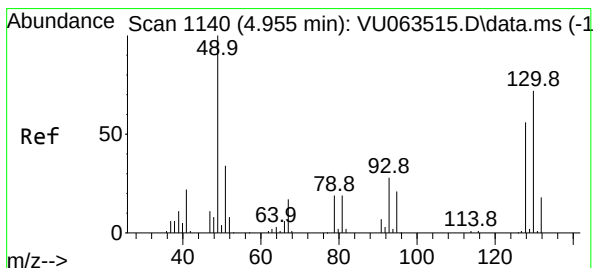
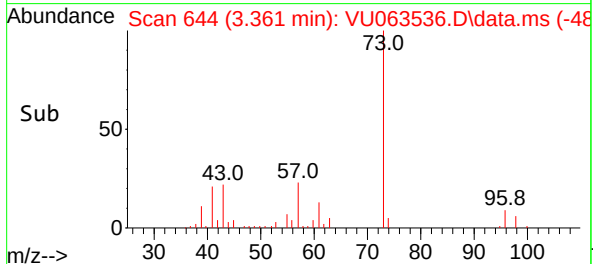
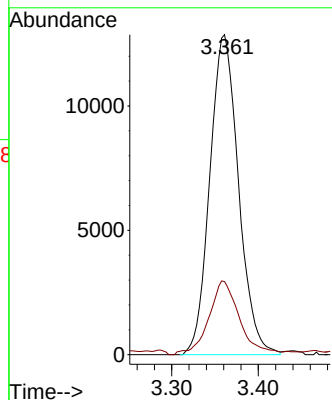
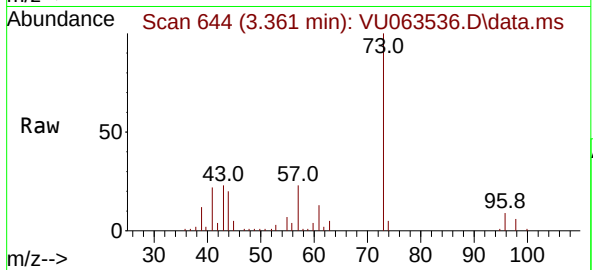
#25
Methyl tert-Butyl Ether
Concen: 2.272 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion: 73 Resp: 2967
Ion Ratio Lower Upper
73 100
43 24.6 16.2 24.2

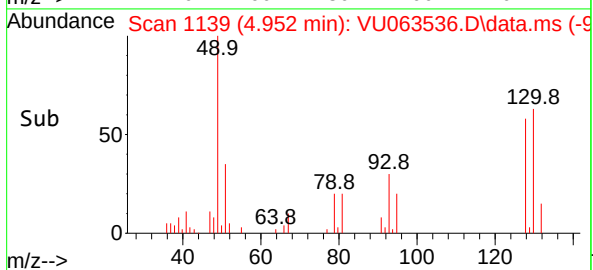
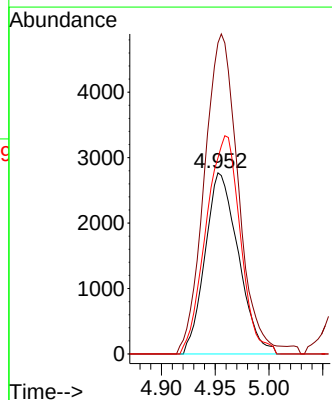
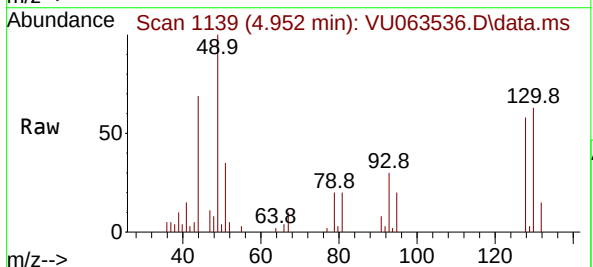
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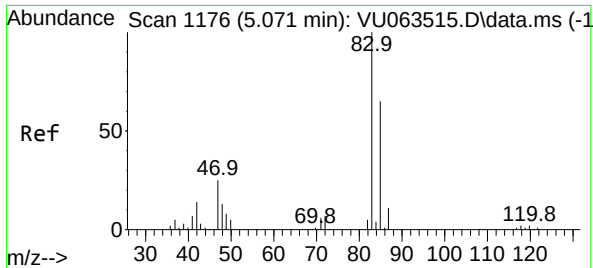
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#26
Bromochloromethane
Concen: 2.312 ug/l
RT: 4.952 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion:128 Resp: 5952
Ion Ratio Lower Upper
128 100
49 180.1 0.0 340.8
130 124.4 100.5 150.7





#27

Chloroform

Concen: 2.276 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 83 Resp: 2445

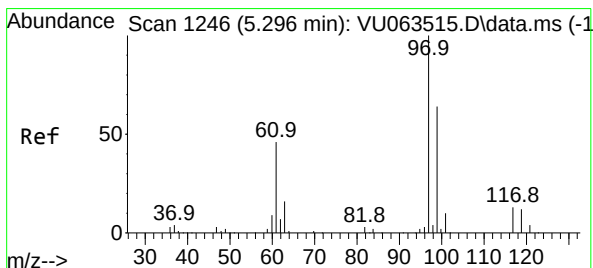
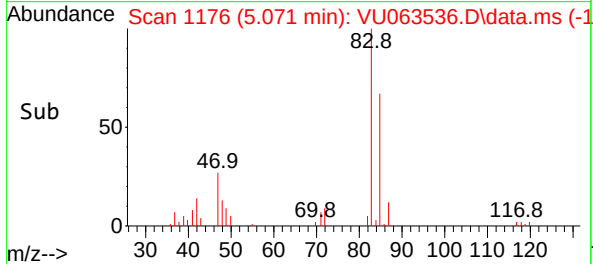
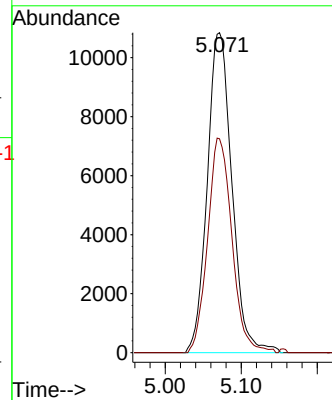
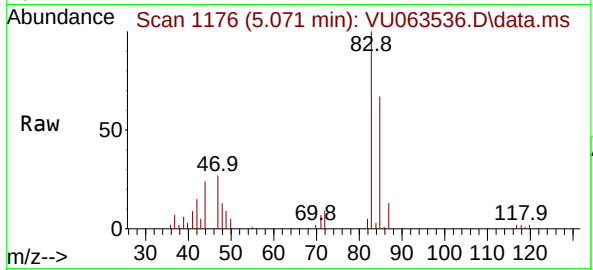
Ion Ratio Lower Upper

83 100

85 66.9 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#28

1,1,1-Trichloroethane

Concen: 2.215 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

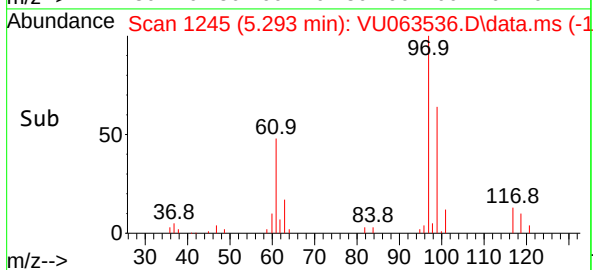
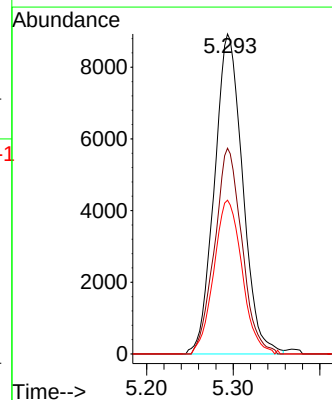
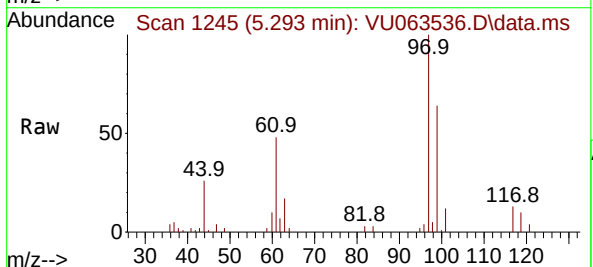
Tgt Ion: 97 Resp: 20196

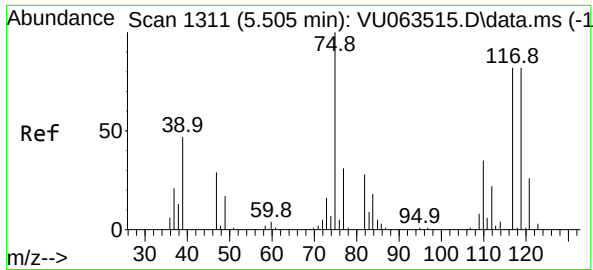
Ion Ratio Lower Upper

97 100

99 62.4 31.8 95.3

61 48.1 23.3 69.9





#29

1,1-Dichloropropene

Concen: 2.246 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. -0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 75 Resp: 18978

Ion Ratio Lower Upper

75 100

110 33.1 17.8 53.4

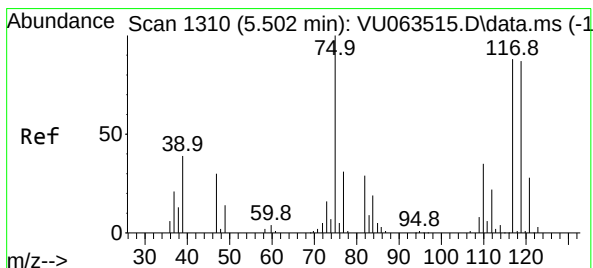
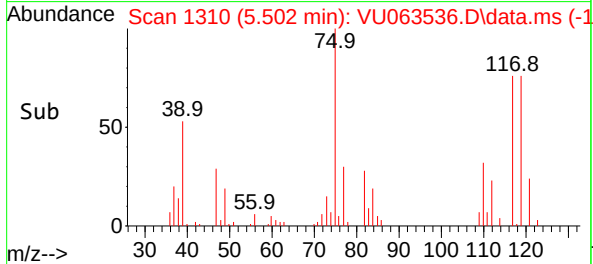
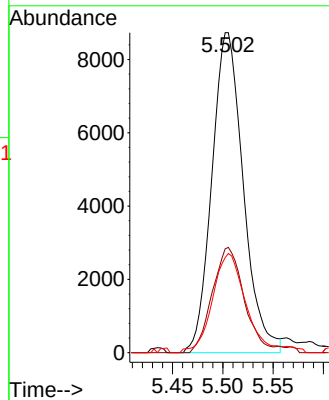
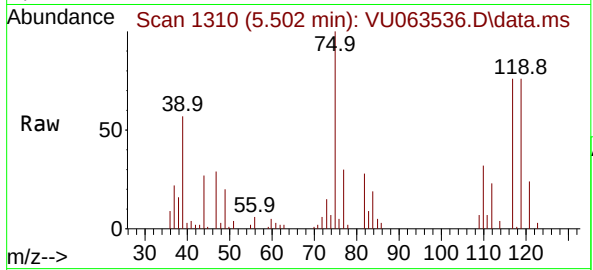
77 33.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 1.995 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

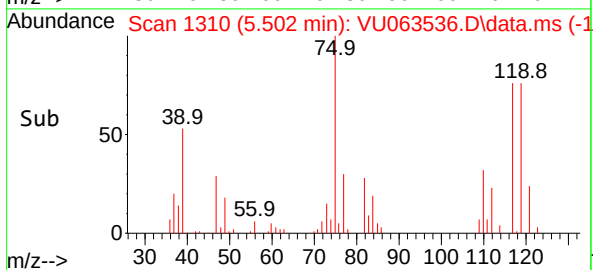
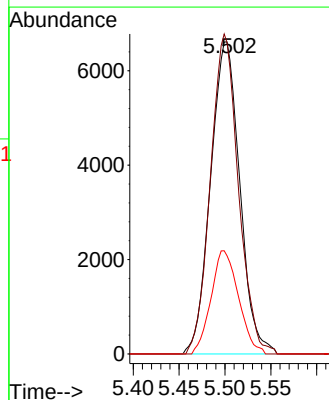
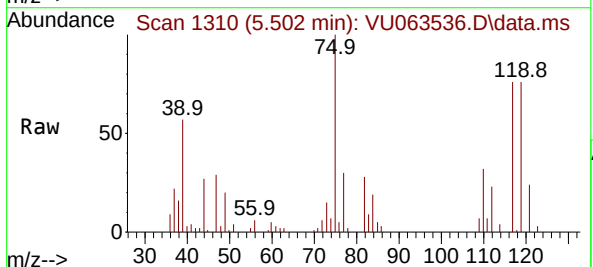
Tgt Ion:117 Resp: 14643

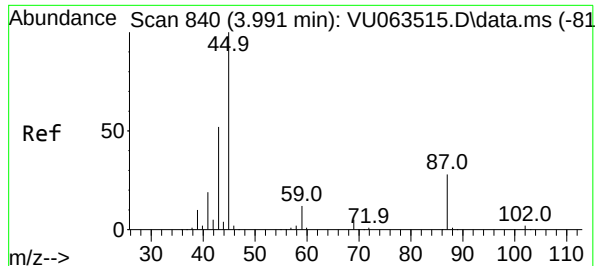
Ion Ratio Lower Upper

117 100

119 99.7 79.2 118.8

121 31.5 25.5 38.3





#31

Isopropyl Ether

Concen: 2.326 ug/l

RT: 3.991 min Scan# 840

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 45 Resp: 3696

Ion Ratio Lower Upper

45 100

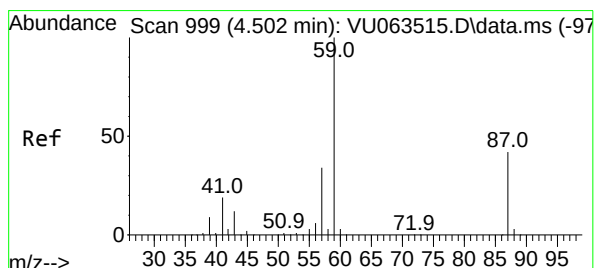
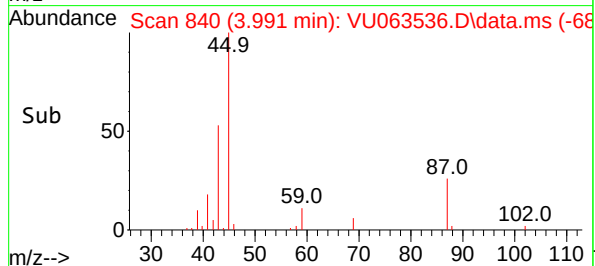
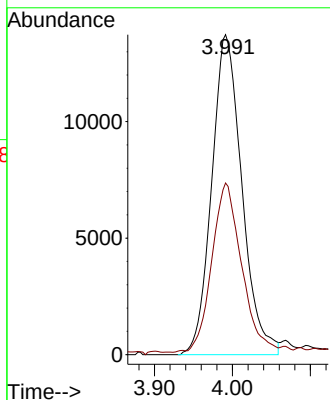
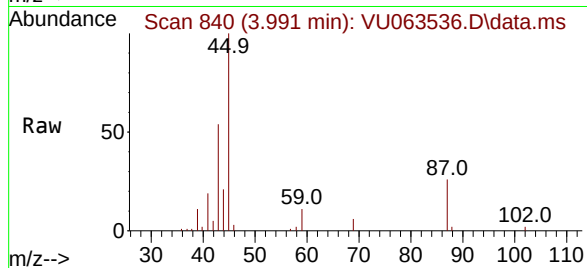
43 51.9 25.7 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#32

Ethyl-t-butyl ether

Concen: 2.352 ug/l

RT: 4.502 min Scan# 999

Delta R.T. 0.000 min

Lab File: VU063536.D

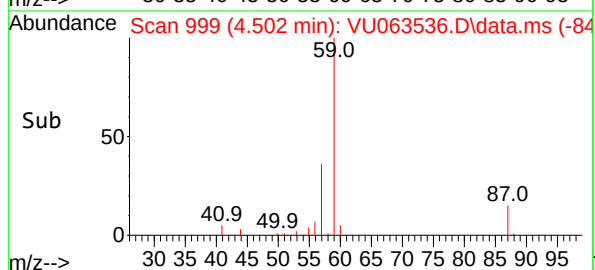
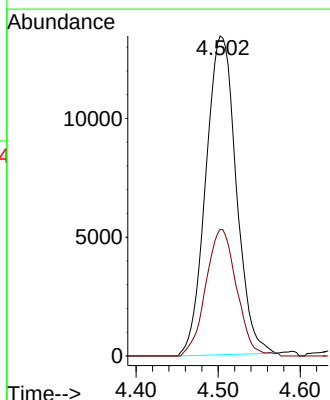
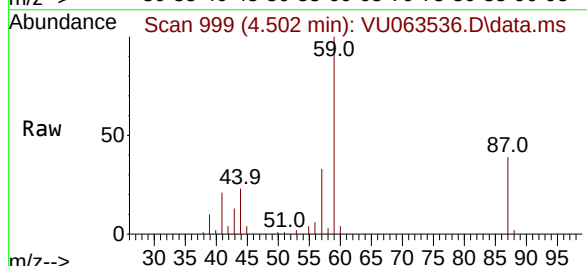
Acq: 18 Jul 2025 13:28

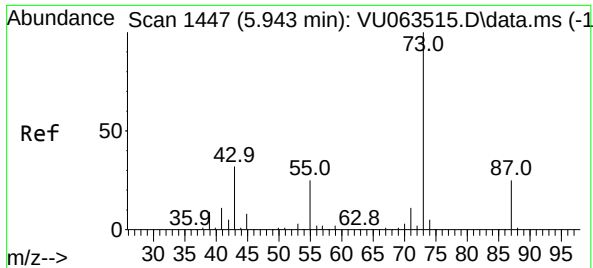
Tgt Ion: 59 Resp: 34594

Ion Ratio Lower Upper

59 100

87 40.3 32.6 49.0





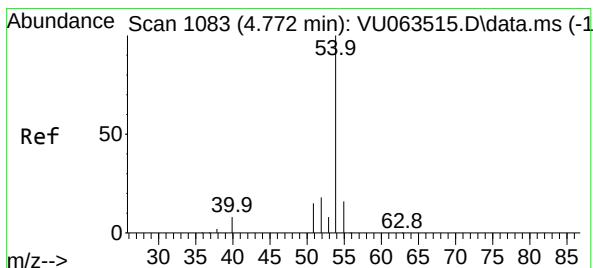
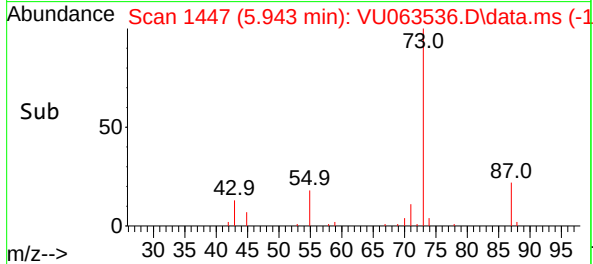
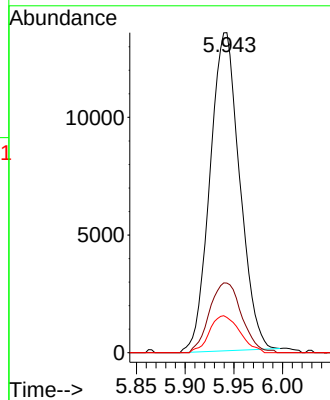
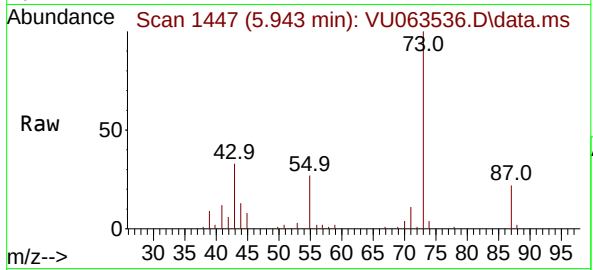
#33
Tert-Amyl methyl ether
Concen: 2.245 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.8	19.4	29.2
71	11.9	8.9	13.3

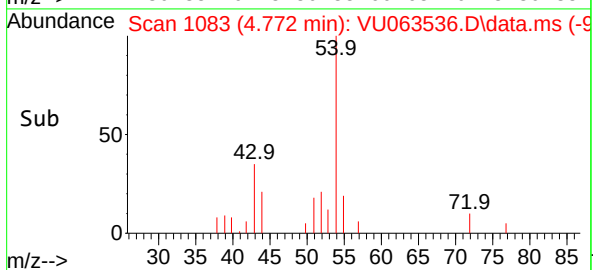
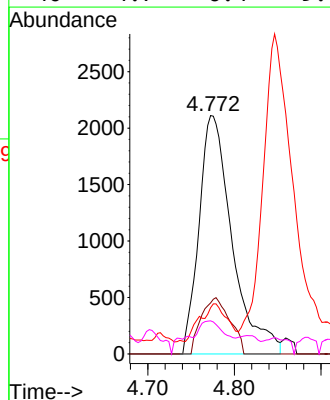
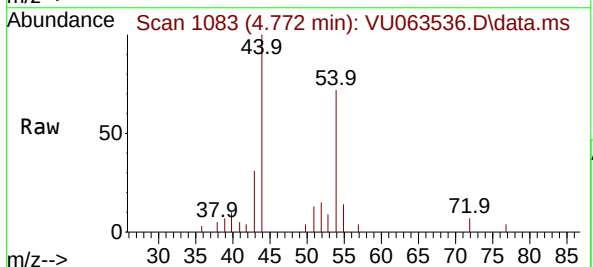
Manual Integrations
APPROVED

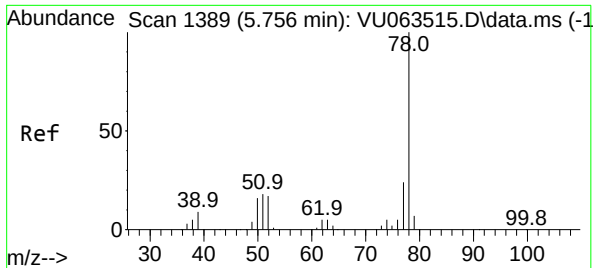
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#34
Propionitrile
Concen: 11.846 ug/l
RT: 4.772 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	17.0	25.4
55	13.0	13.6	20.4#
40	4.7	6.4	9.6#





#35

Benzene

Concen: 2.365 ug/l

RT: 5.756 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 78 Resp: 5368

Ion Ratio Lower Upper

78 100

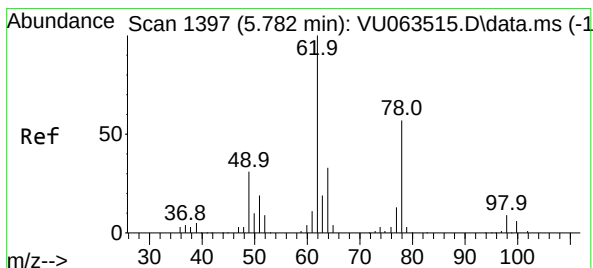
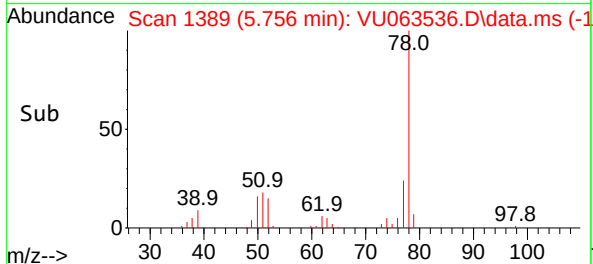
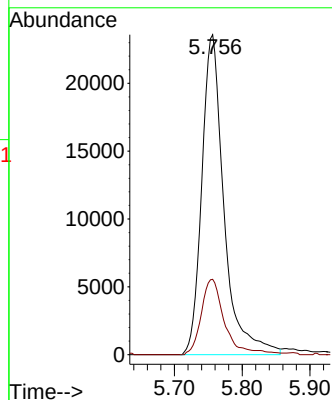
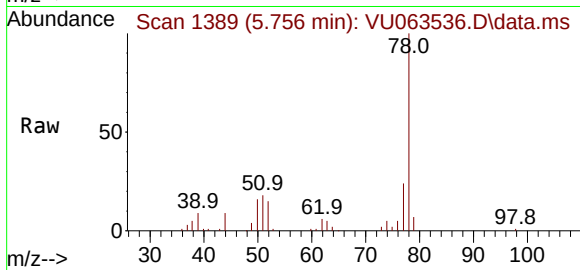
77 23.6 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#36

1,2-Dichloroethane

Concen: 2.388 ug/l

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063536.D

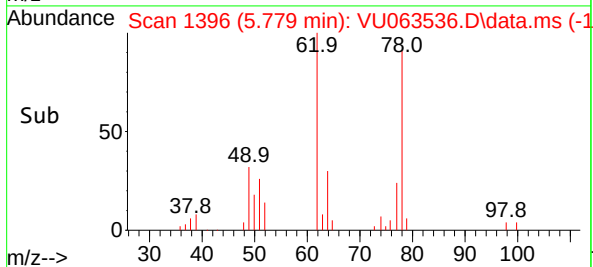
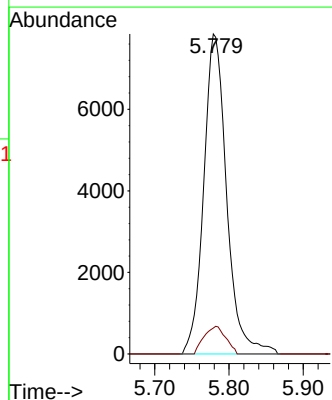
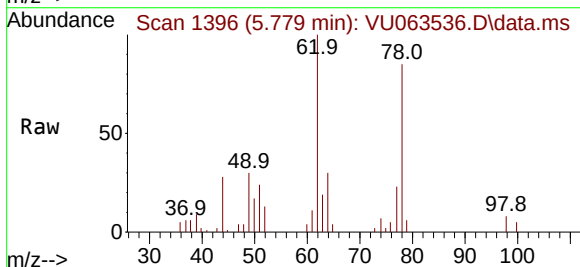
Acq: 18 Jul 2025 13:28

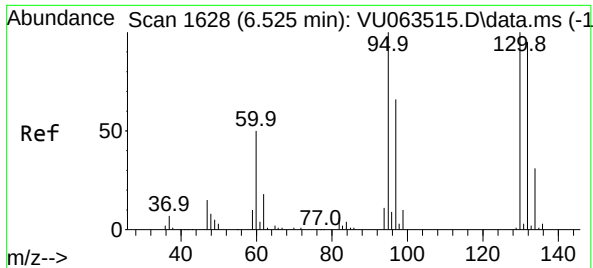
Tgt Ion: 62 Resp: 16842

Ion Ratio Lower Upper

62 100

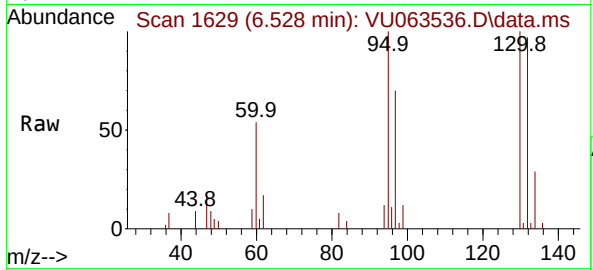
98 8.2 6.4 9.6





#37
Trichloroethene
Concen: 1.844 ug/l
RT: 6.528 min Scan# 1628
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

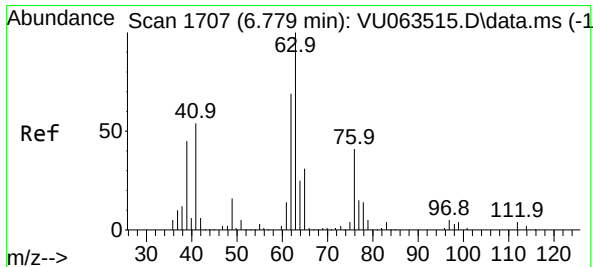
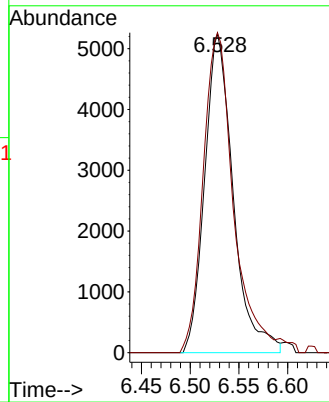
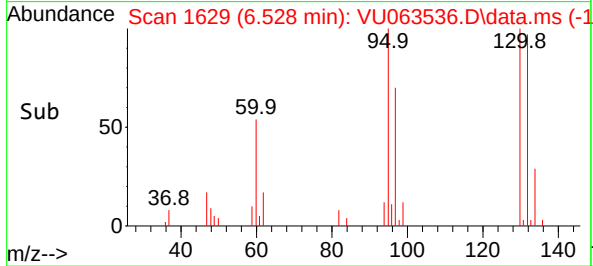
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



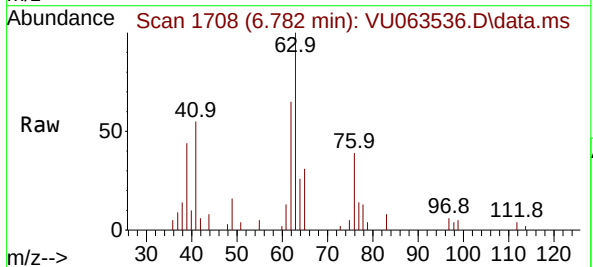
Tgt Ion:130 Resp: 10679
Ion Ratio Lower Upper
130 100
95 100.3 80.3 120.5

Manual Integrations
APPROVED

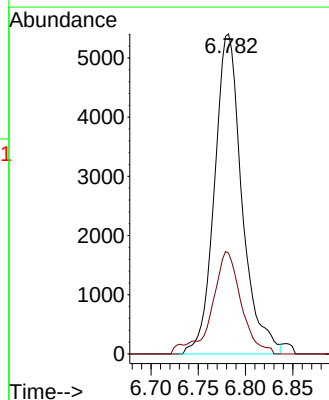
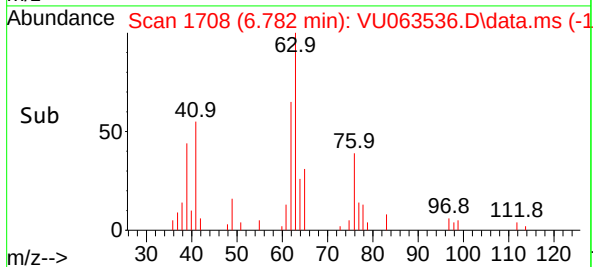
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

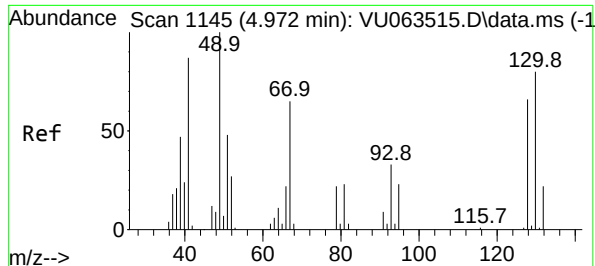


#38
1,2-Dichloropropane
Concen: 2.059 ug/l
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion: 63 Resp: 10940
Ion Ratio Lower Upper
63 100
65 31.5 24.6 36.8





#39

Methacrylonitrile

Concen: 2.017 ug/l

RT: 4.975 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 41 Resp: 424

Ion Ratio Lower Upper

41 100

67 84.1 62.7 94.1

39 60.4 43.1 64.7

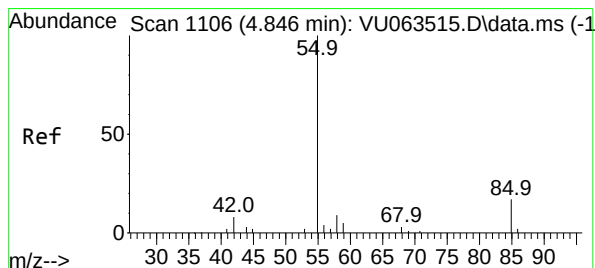
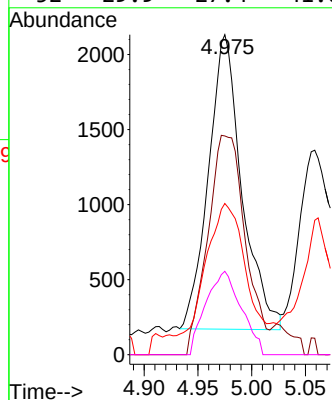
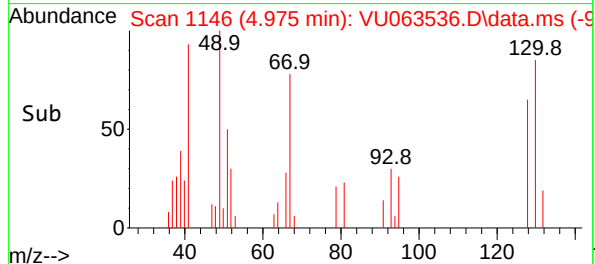
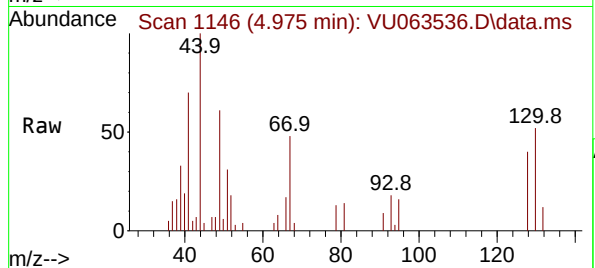
52 29.9 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 2.110 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion: 55 Resp: 6486

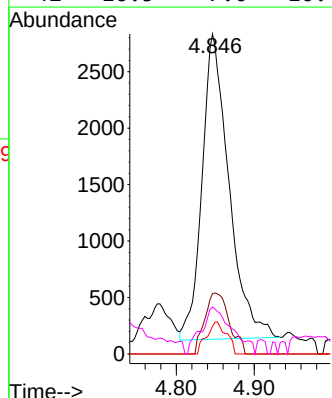
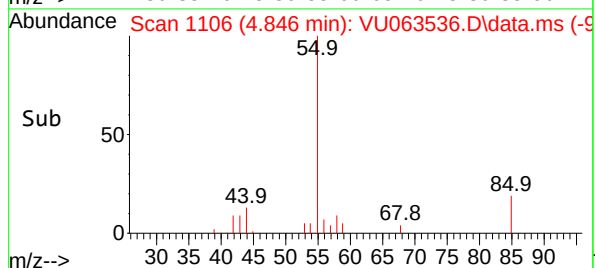
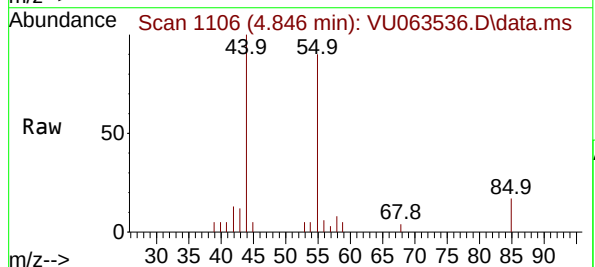
Ion Ratio Lower Upper

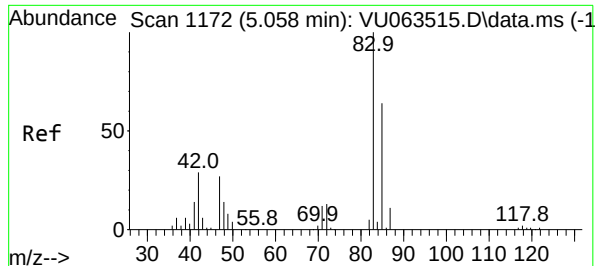
55 100

85 18.2 12.8 19.2

58 7.7 7.0 10.4

42 16.5 7.0 10.4#





#41

Tetrahydrofuran

Concen: 4.692 ug/l

RT: 5.059 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

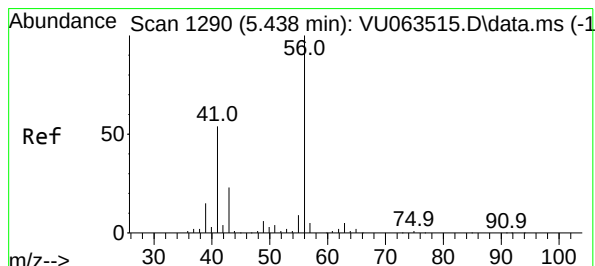
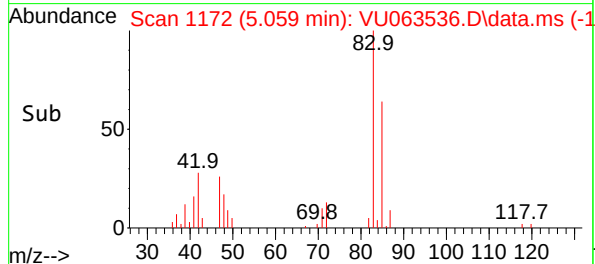
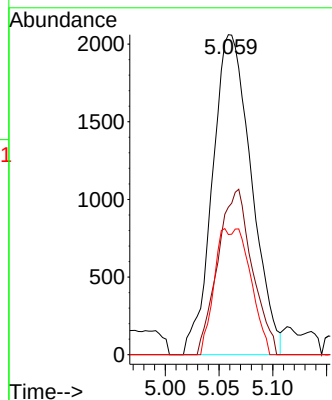
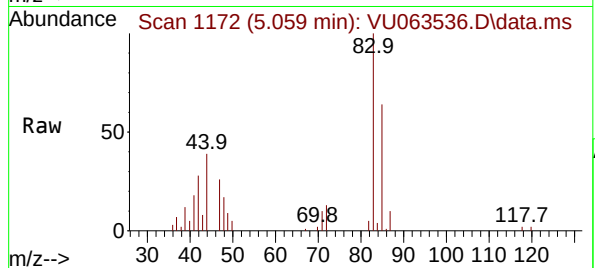
VU0718WBSD02

Tgt Ion:	42	Resp:	518
Ion Ratio	Lower	Upper	
42	100		
72	45.5	39.2	58.8
71	15.5	34.8	52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 2.251 ug/l

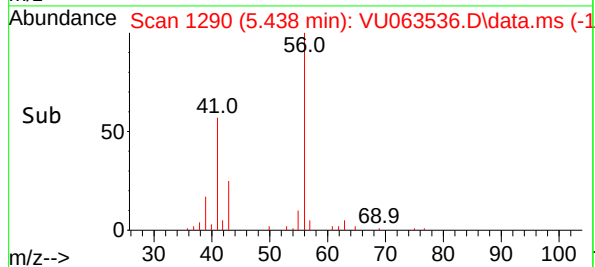
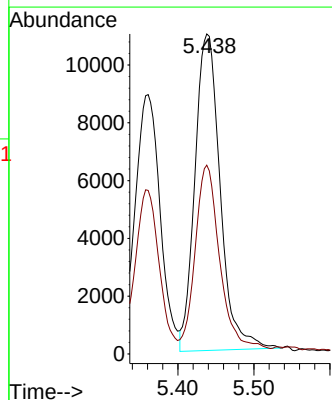
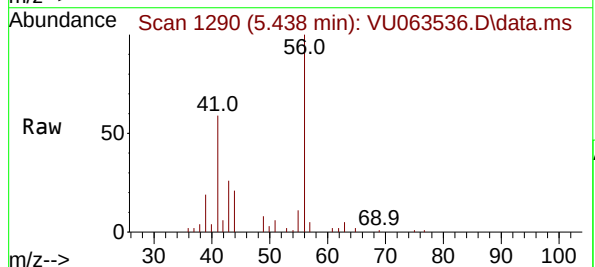
RT: 5.438 min Scan# 1290

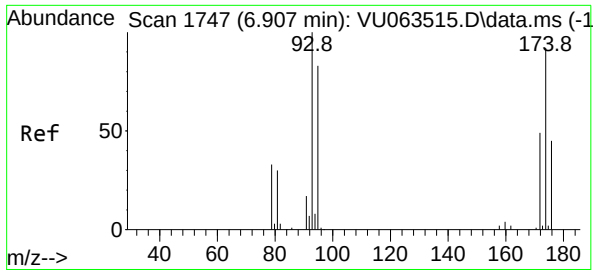
Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

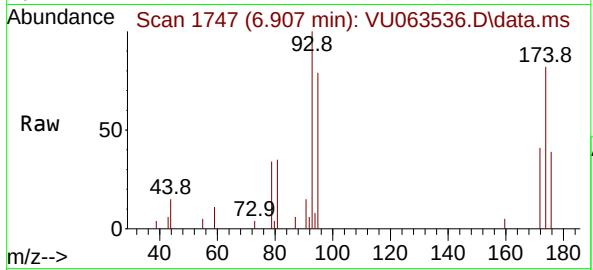
Tgt Ion:	56	Resp:	25284
Ion Ratio	Lower	Upper	
56	100		
41	56.9	26.7	80.0





#43
Dibromomethane
Concen: 2.020 ug/l
RT: 6.907 min Scan# 1747
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

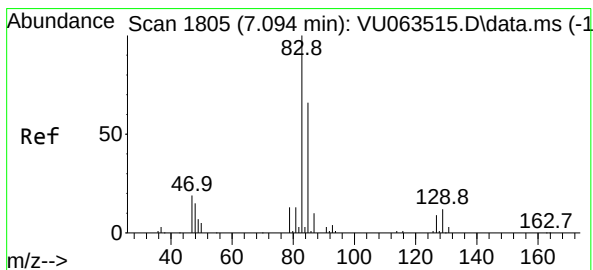
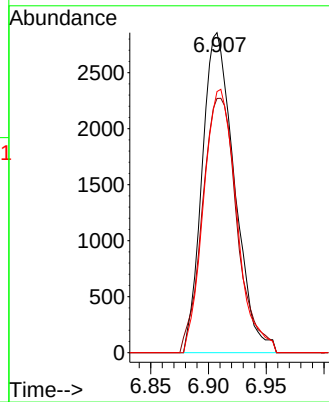
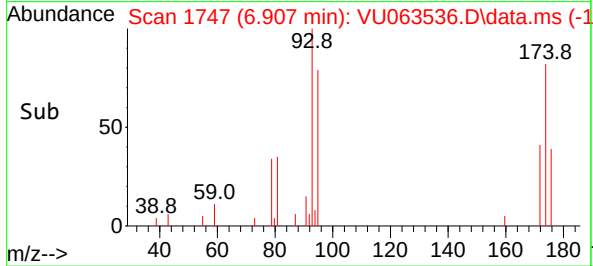
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



Tgt Ion: 93 Resp: 5560
Ion Ratio Lower Upper
93 100
95 85.2 67.9 101.9
174 84.0 74.6 111.8

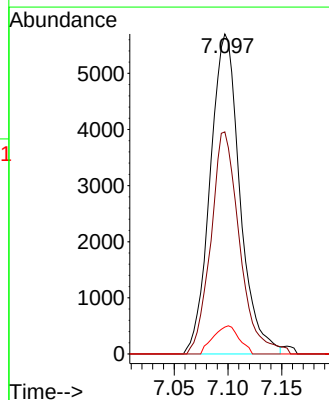
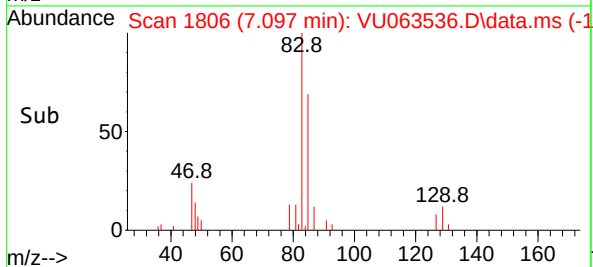
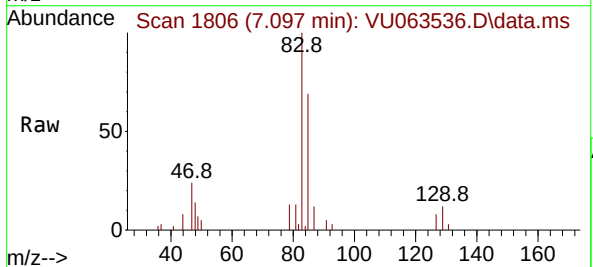
Manual Integrations
APPROVED

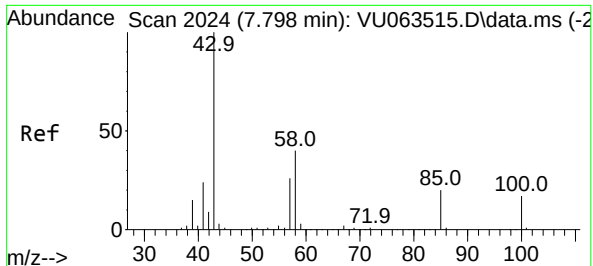
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#44
Bromodichloromethane
Concen: 1.767 ug/l
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 83 Resp: 10964
Ion Ratio Lower Upper
83 100
85 69.4 52.7 79.1
127 8.4 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 10.843 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

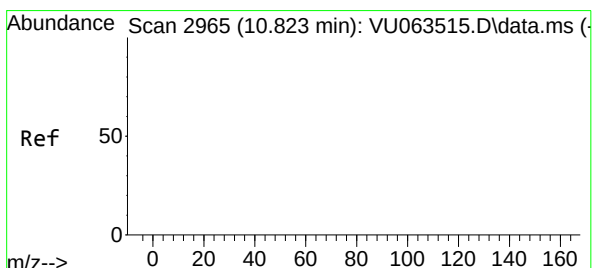
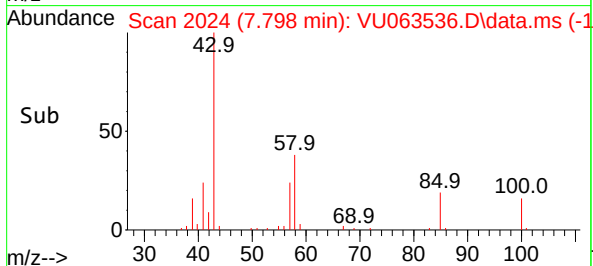
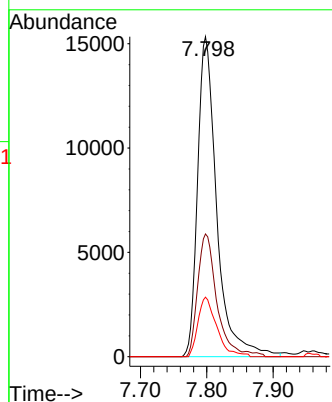
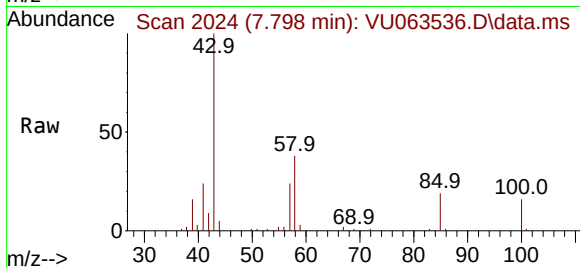
VU0718WBSD02

Tgt Ion:	43	Resp:	3075
Ion Ratio	Lower	Upper	
43	100		
58	37.6	20.0	60.0
85	18.3	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#46

t-1,4-Dichloro-2-butene

Concen: 4.736 ug/l m

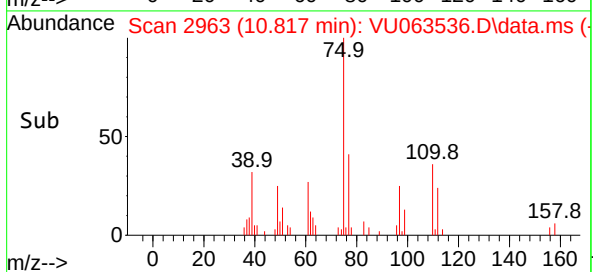
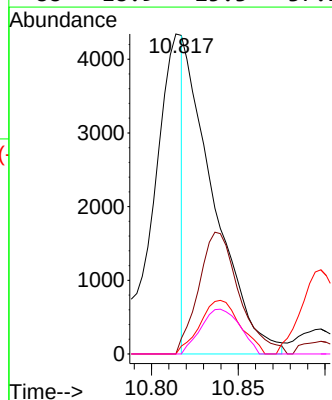
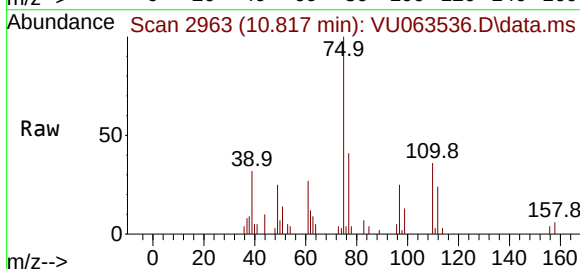
RT: 10.817 min Scan# 2963

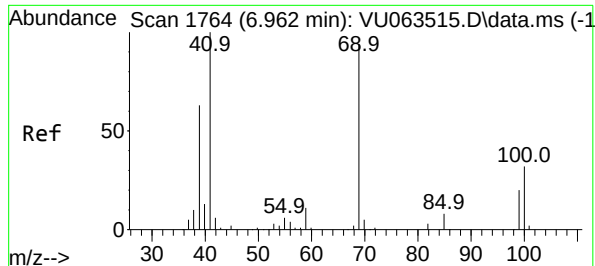
Delta R.T. -0.006 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:	75	Resp:	5043
Ion Ratio	Lower	Upper	
75	100		
53	53.3	48.4	72.6
89	23.2	30.6	45.8#
88	18.9	25.3	37.9#





#47

Methyl methacrylate

Concen: 3.682 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 69 Resp: 851

Ion Ratio Lower Upper

69 100

41 122.3 0.0 224.0

39 79.1 55.3 82.9

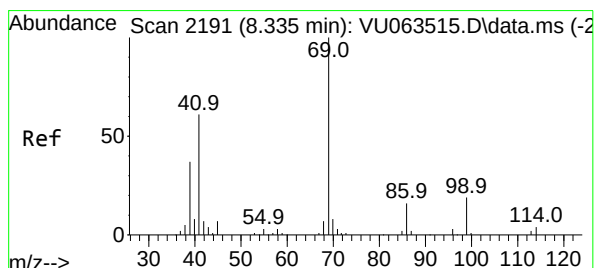
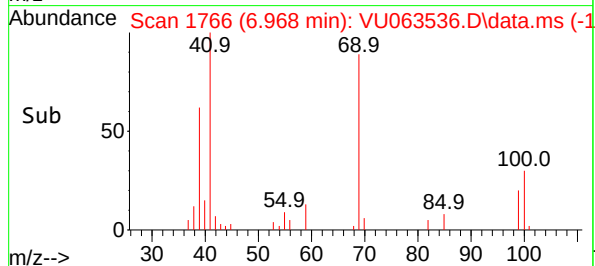
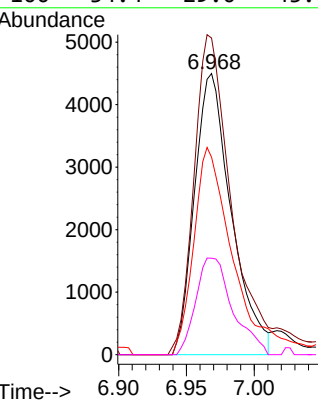
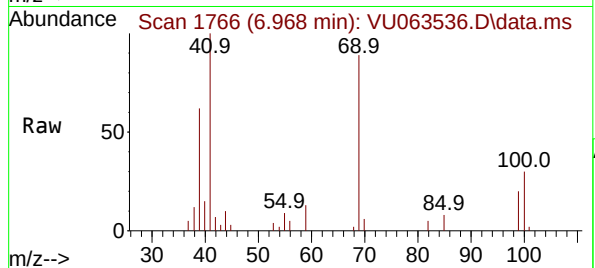
100 34.4 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#48

Ethyl methacrylate

Concen: 2.048 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063536.D

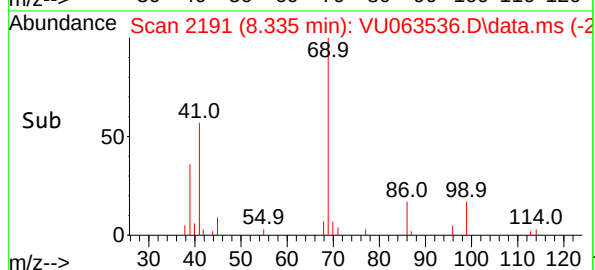
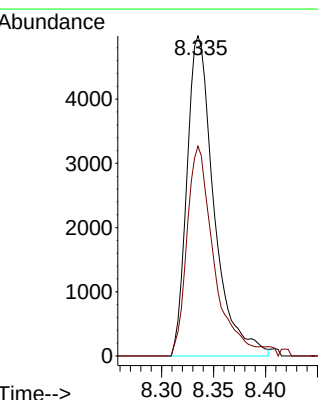
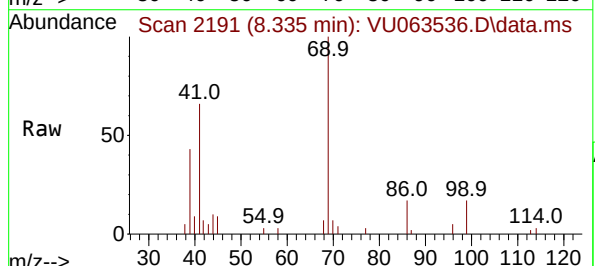
Acq: 18 Jul 2025 13:28

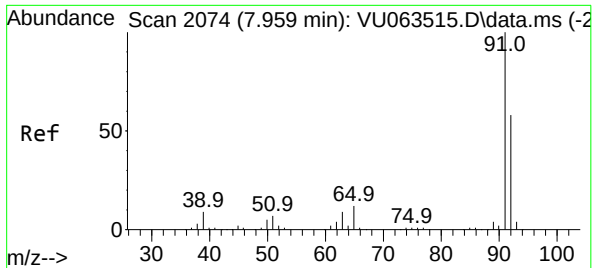
Tgt Ion: 69 Resp: 9034

Ion Ratio Lower Upper

69 100

41 64.9 30.8 92.4





#49

Toluene

Concen: 2.094 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 92 Resp: 2595

Ion Ratio Lower Upper

92 100

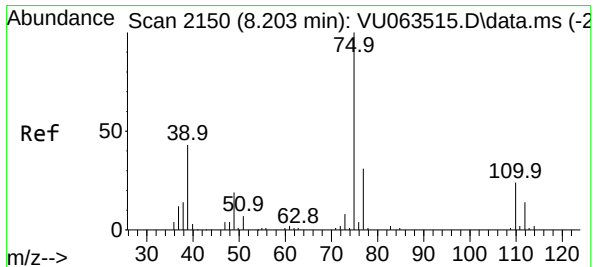
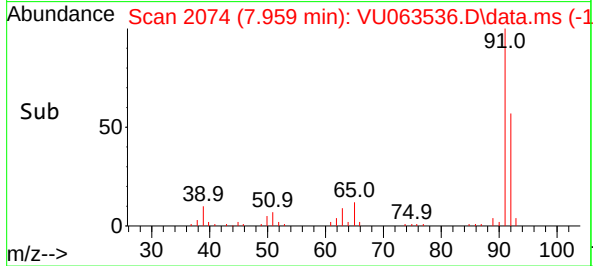
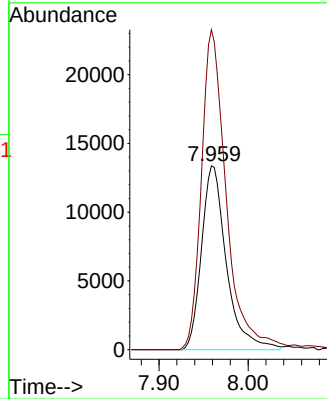
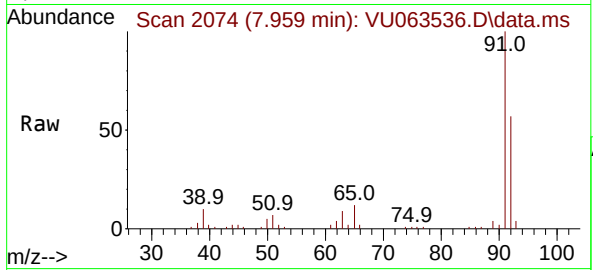
91 173.6 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#50

t-1,3-Dichloropropene

Concen: 1.687 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063536.D

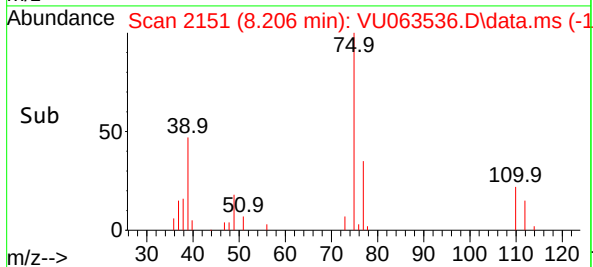
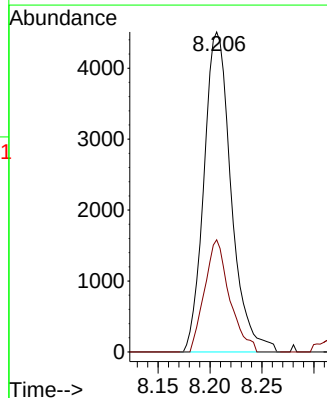
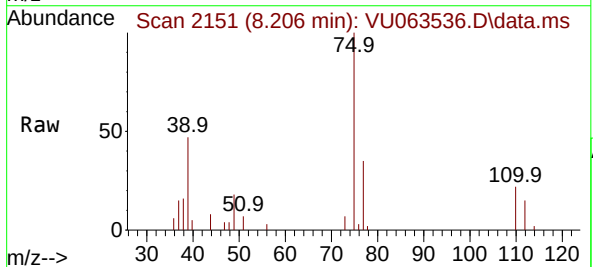
Acq: 18 Jul 2025 13:28

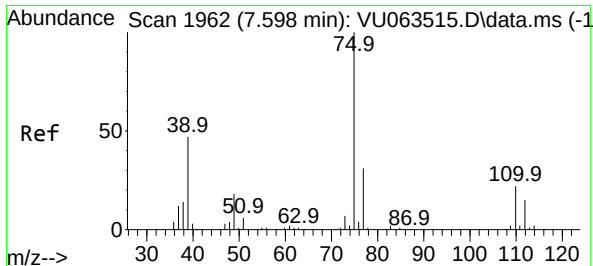
Tgt Ion: 75 Resp: 8216

Ion Ratio Lower Upper

75 100

77 35.1 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 1.627 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

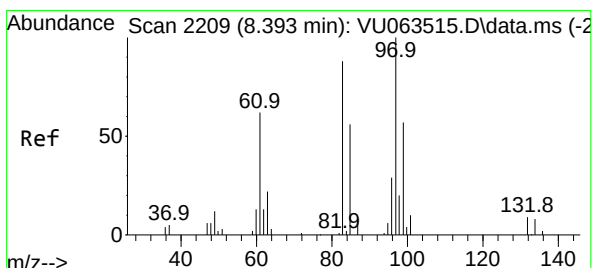
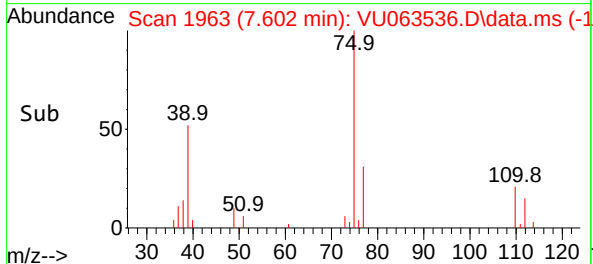
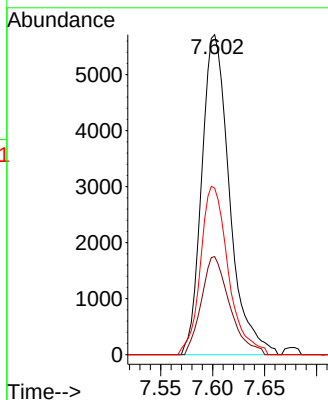
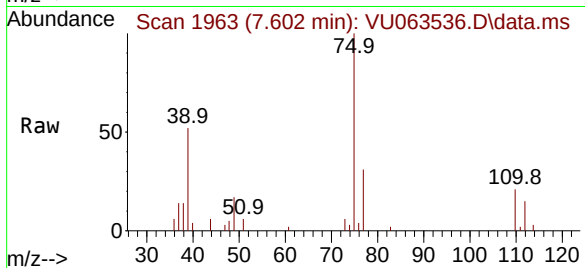
Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:	75	Resp:	10634
Ion Ratio	Lower	Upper	
75	100		
77	30.7	25.1	37.7
39	52.0	37.8	56.6

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#52

1,1,2-Trichloroethane

Concen: 2.172 ug/l

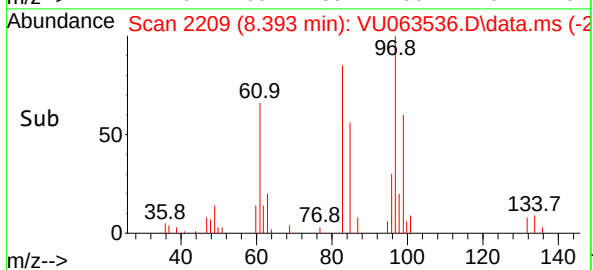
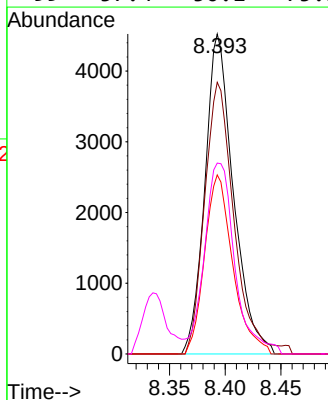
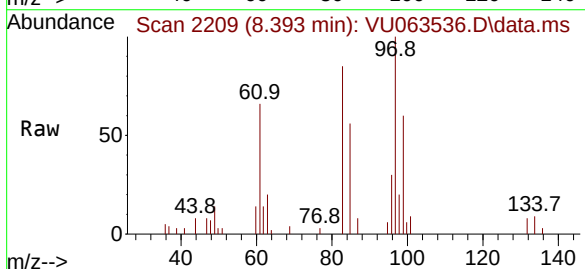
RT: 8.393 min Scan# 2209

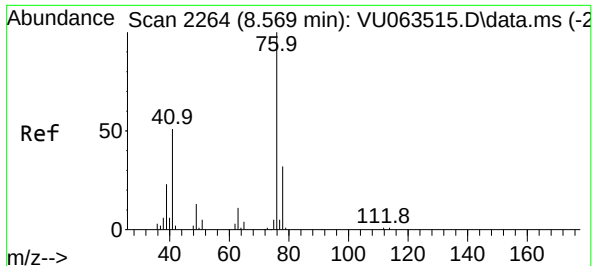
Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:	97	Resp:	8048
Ion Ratio	Lower	Upper	
97	100		
83	84.9	70.2	105.2
85	55.9	45.2	67.8
99	57.4	50.1	75.1





#53

1,3-Dichloropropane

Concen: 2.157 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 76 Resp: 13790

Ion Ratio Lower Upper

76 100

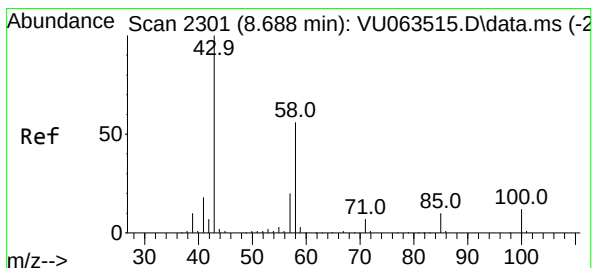
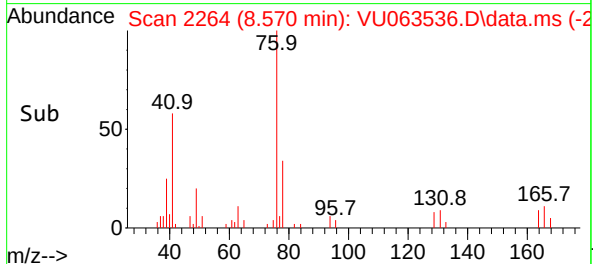
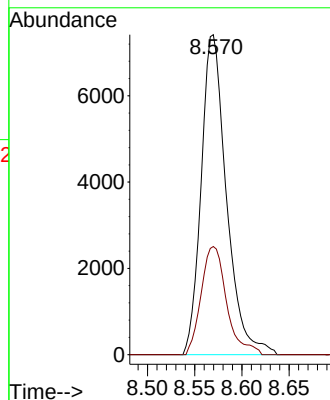
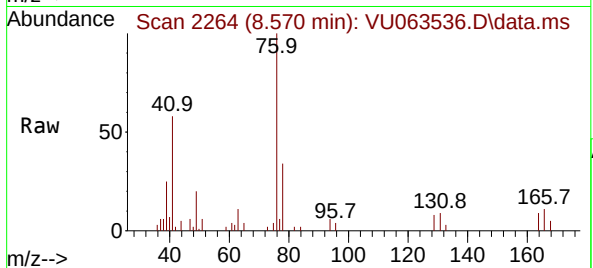
78 34.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#54

2-Hexanone

Concen: 13.065 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

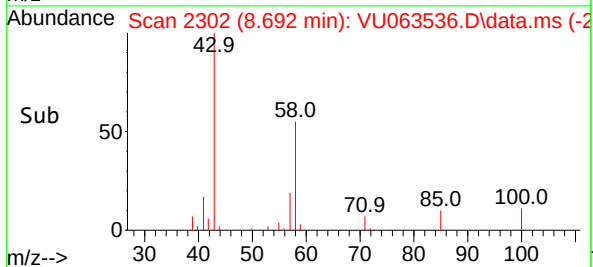
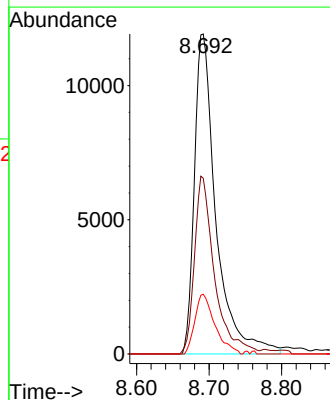
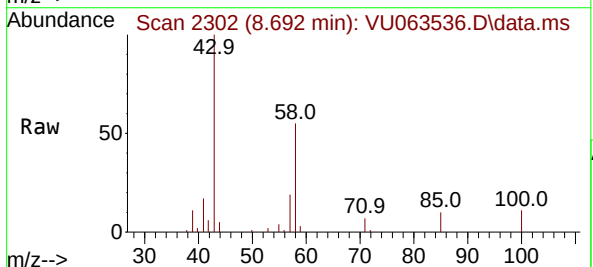
Tgt Ion: 43 Resp: 24615

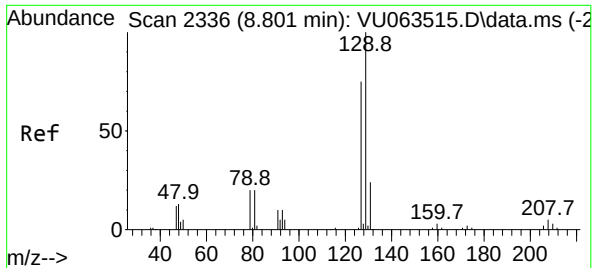
Ion Ratio Lower Upper

43 100

58 51.6 34.8 74.8

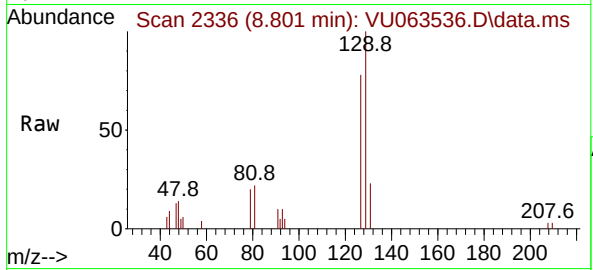
57 17.3 0.0 39.5





#55
Dibromochloromethane
Concen: 1.739 ug/l
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

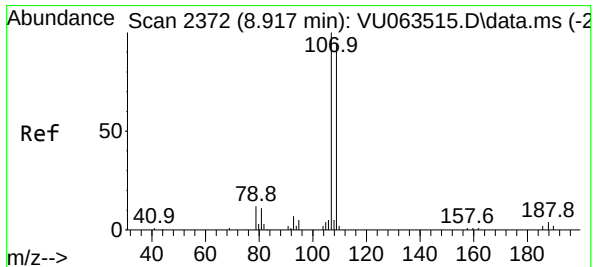
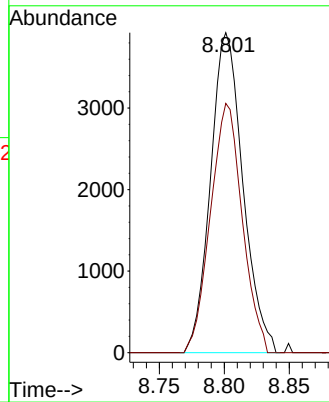
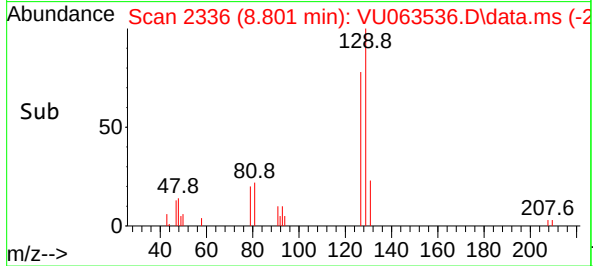
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



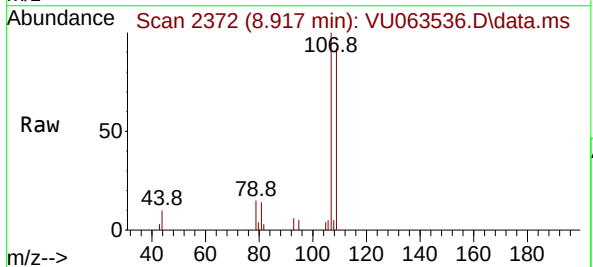
Tgt Ion:129 Resp: 6808
Ion Ratio Lower Upper
129 100
127 76.3 60.1 90.1

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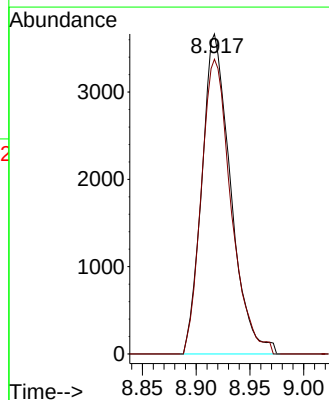
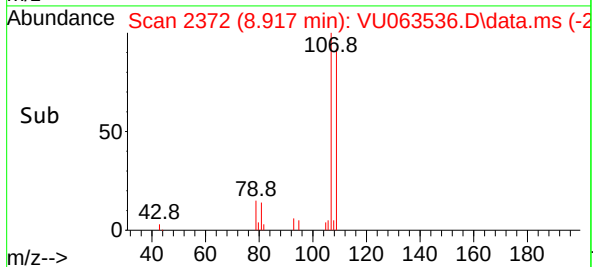
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

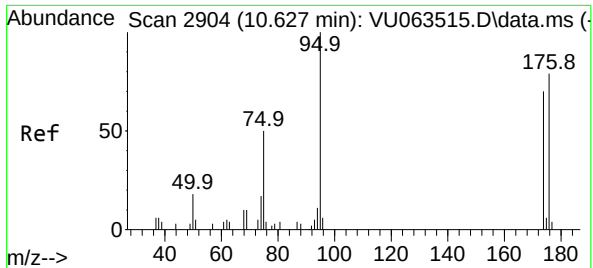


#56
1,2-Dibromoethane
Concen: 2.056 ug/l
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



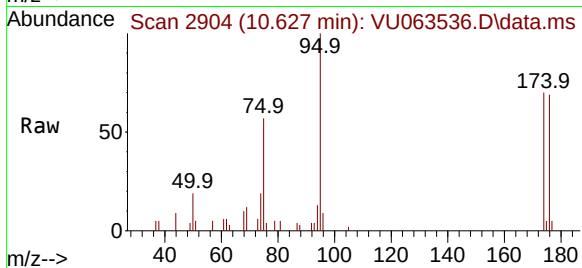
Tgt Ion:107 Resp: 6819
Ion Ratio Lower Upper
107 100
109 95.1 0.0 186.4





#57
4-Bromofluorobenzene
Concen: 1.044 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

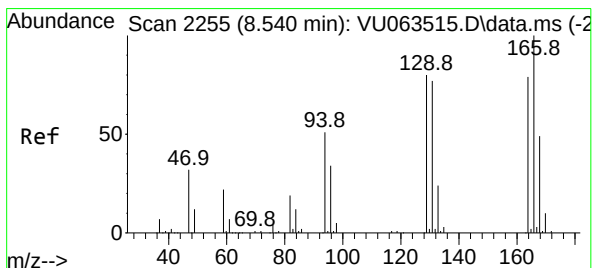
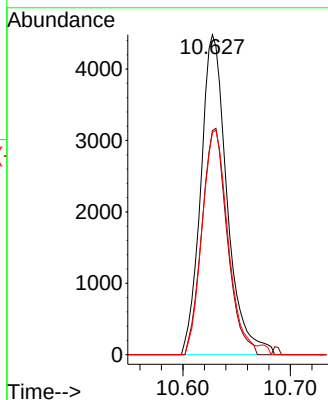
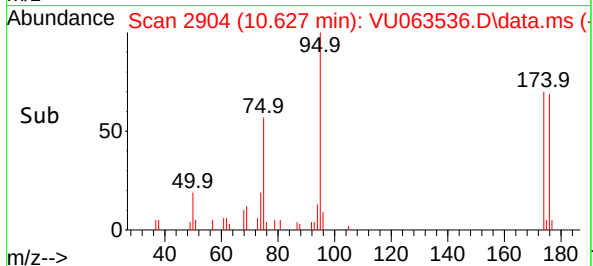
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



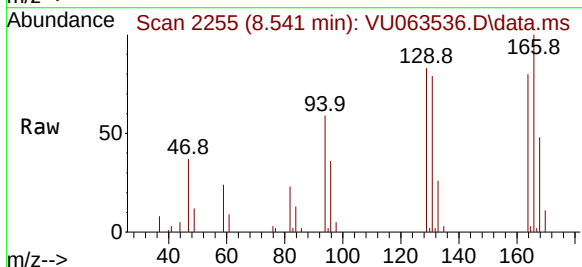
Tgt Ion: 95 Resp: 7614
Ion Ratio Lower Upper
95 100
174 68.3 59.8 89.8
176 70.3 61.8 92.8

Manual Integrations
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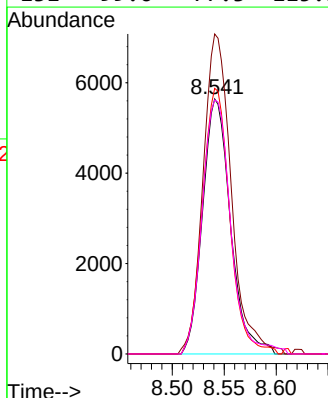
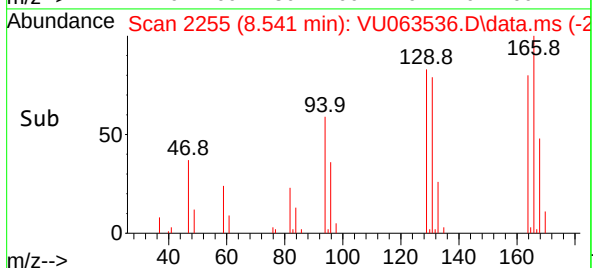
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

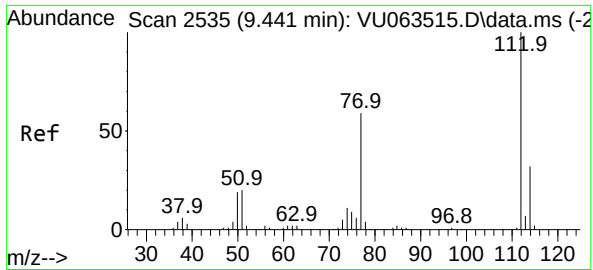


#58
Tetrachloroethene
Concen: 1.990 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion:164 Resp: 10549
Ion Ratio Lower Upper
164 100
166 125.5 100.7 151.1
129 104.1 80.6 120.8
131 99.6 77.3 115.9





#59

Chlorobenzene

Concen: 2.012 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:112 Resp: 2864

Ion Ratio Lower Upper

112 100

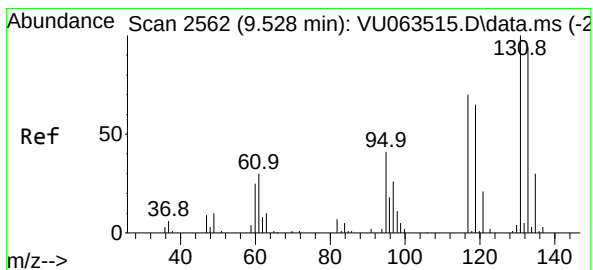
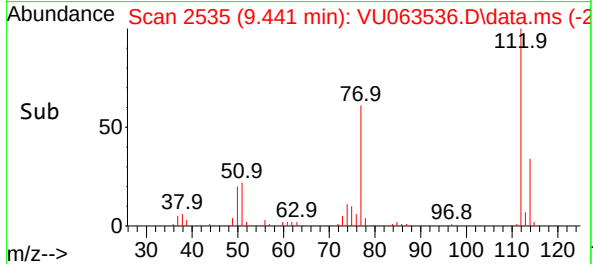
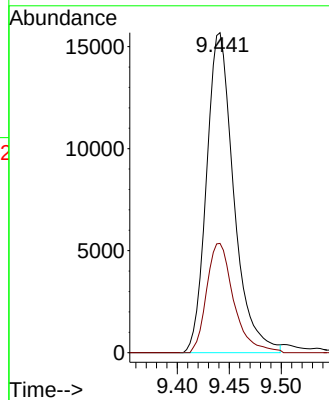
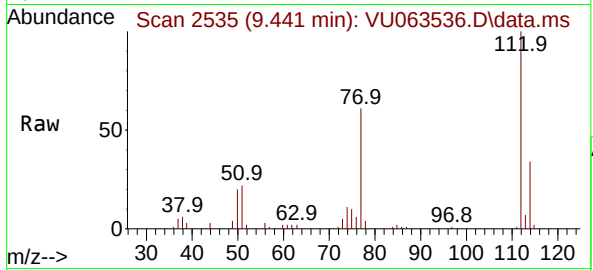
114 34.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.798 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

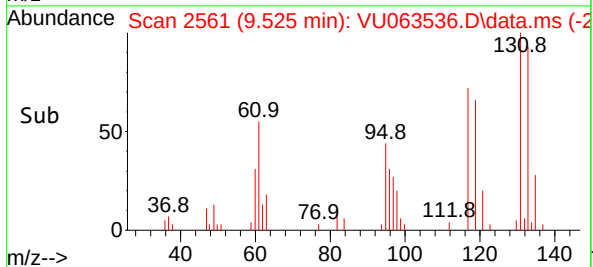
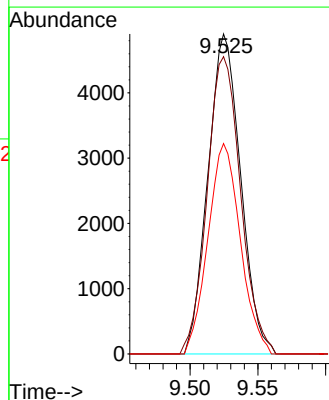
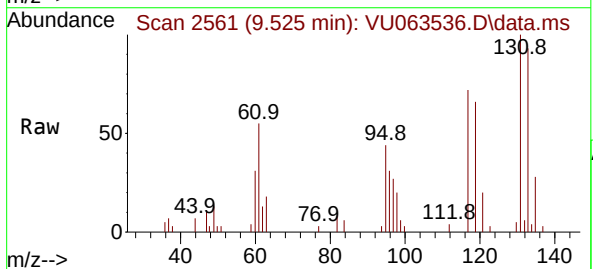
Tgt Ion:131 Resp: 8230

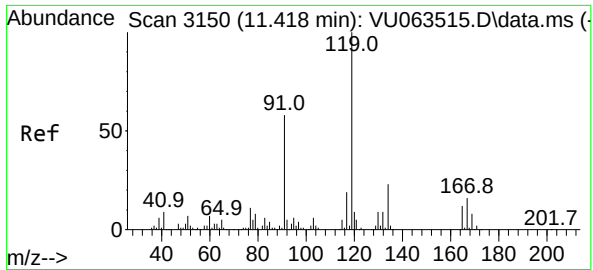
Ion Ratio Lower Upper

131 100

133 95.2 74.7 112.1

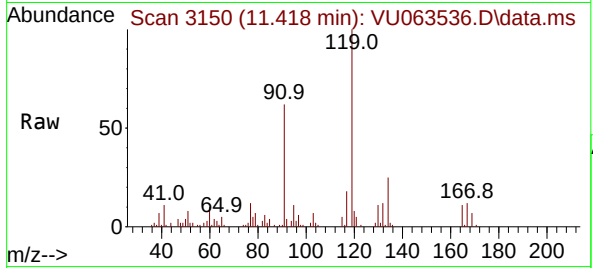
119 65.1 53.0 79.4





#61
Pentachloroethane
Concen: 1.937 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

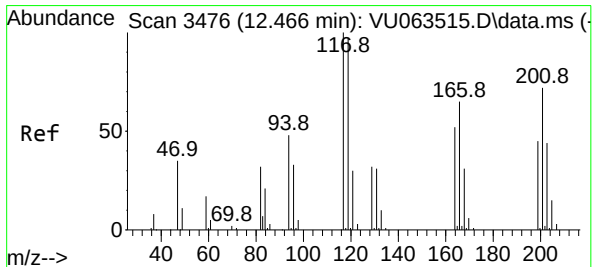
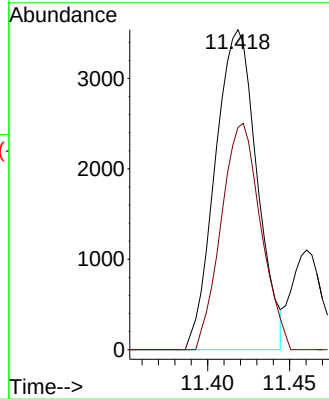
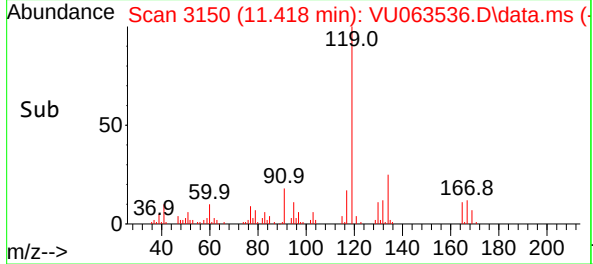
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



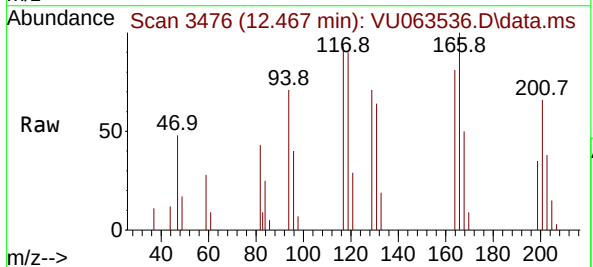
Tgt Ion:117 Resp: 626
Ion Ratio Lower Upper
117 100
167 67.0 65.0 97.6

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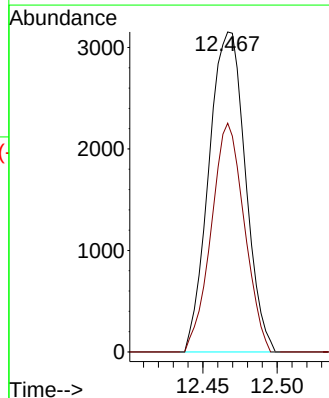
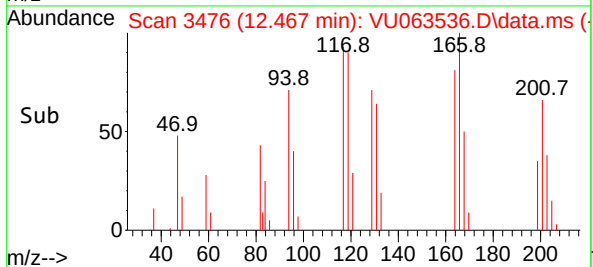
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

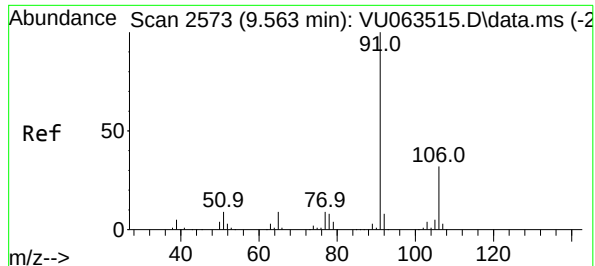


#62
Hexachloroethane
Concen: 1.683 ug/l
RT: 12.467 min Scan# 3476
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion:117 Resp: 5390
Ion Ratio Lower Upper
117 100
201 64.8 57.4 86.0





#63

Ethyl Benzene

Concen: 2.058 ug/l

RT: 9.560 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion: 91 Resp: 50414

Ion Ratio Lower Upper

91 100

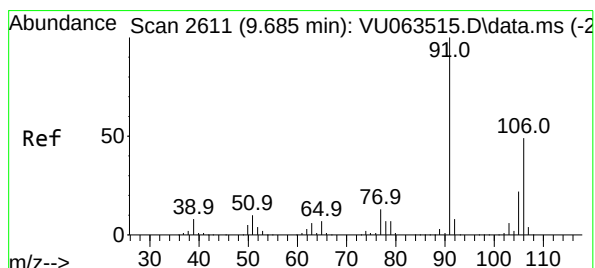
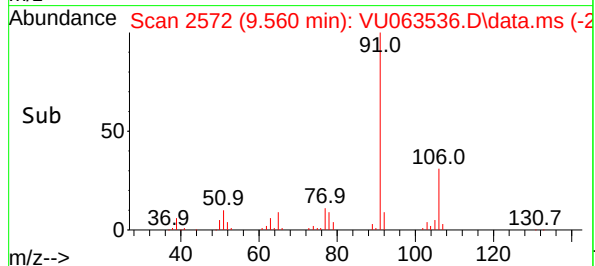
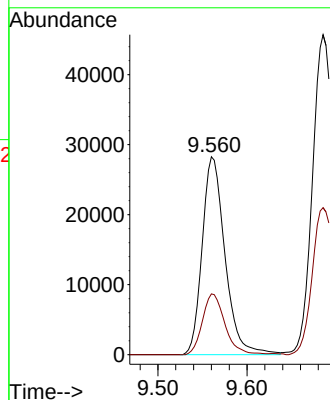
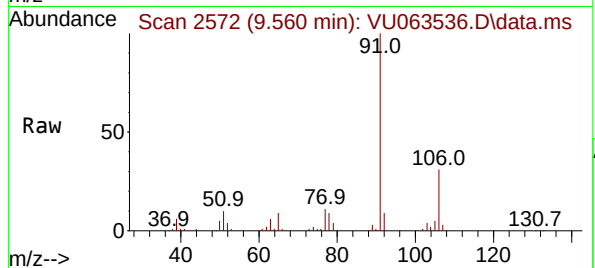
106 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#64

m/p-Xylenes

Concen: 4.081 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063536.D

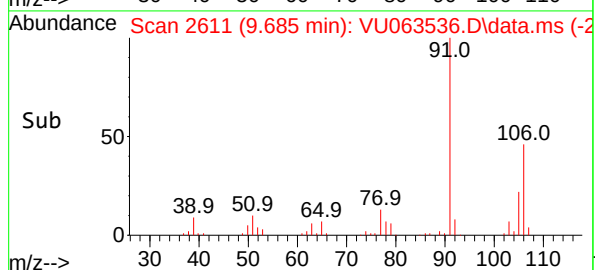
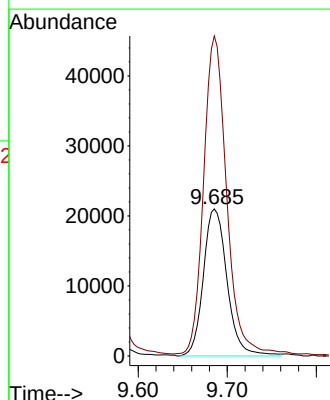
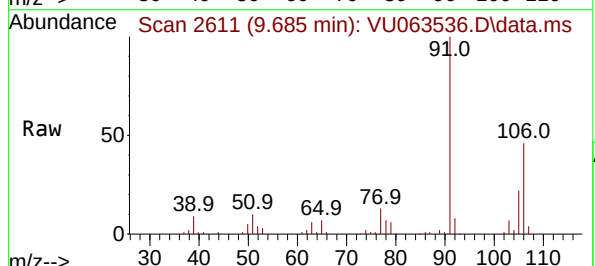
Acq: 18 Jul 2025 13:28

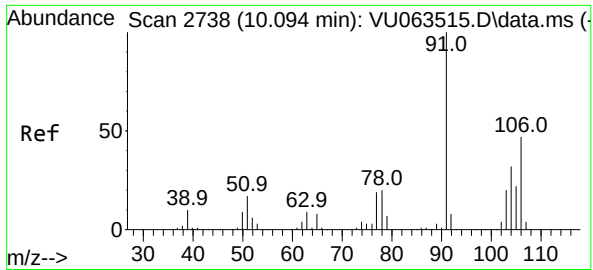
Tgt Ion:106 Resp: 38857

Ion Ratio Lower Upper

106 100

91 209.6 163.6 245.4





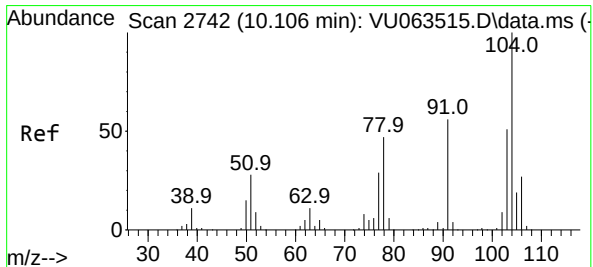
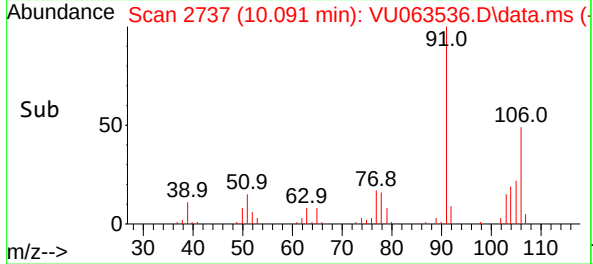
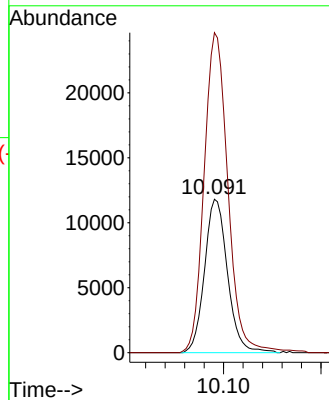
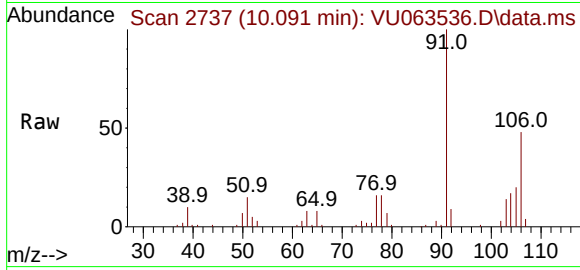
#65
o-Xylene
Concen: 2.113 ug/l
RT: 10.091 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:106 Resp: 1933
Ion Ratio Lower Upper
106 100
91 216.3 108.1 324.4

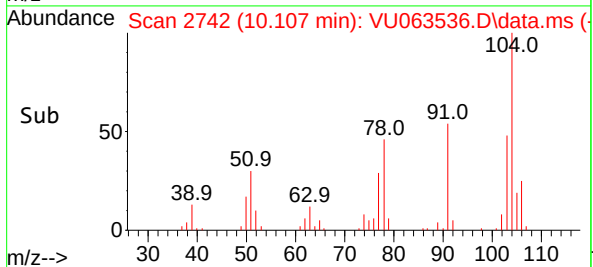
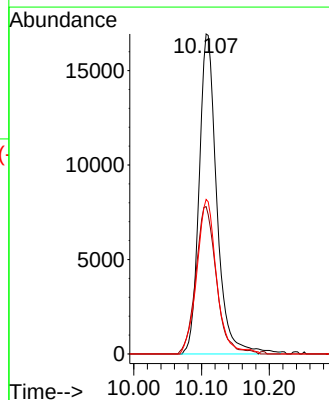
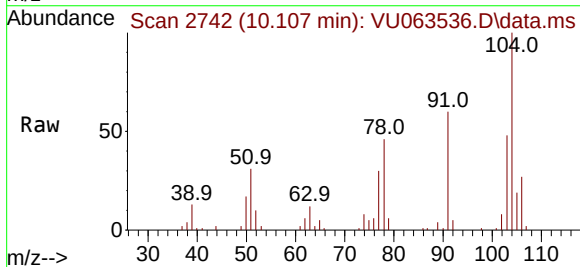
Manual Integrations
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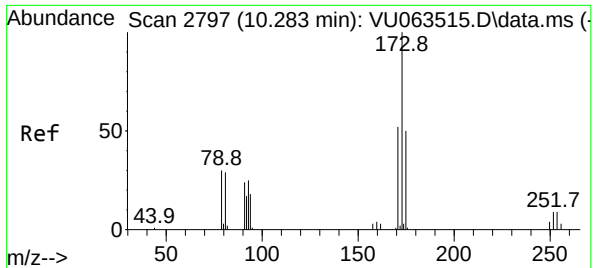
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#66
Styrene
Concen: 2.108 ug/l
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

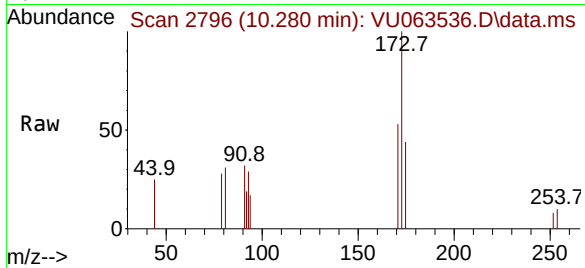
Tgt Ion:104 Resp: 30736
Ion Ratio Lower Upper
104 100
78 53.5 41.3 61.9
103 54.1 43.6 65.4





#67
Bromoform
Concen: 1.481 ug/l
RT: 10.280 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

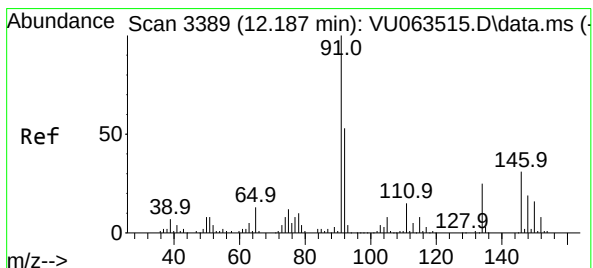
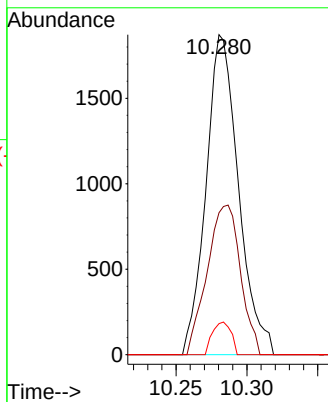
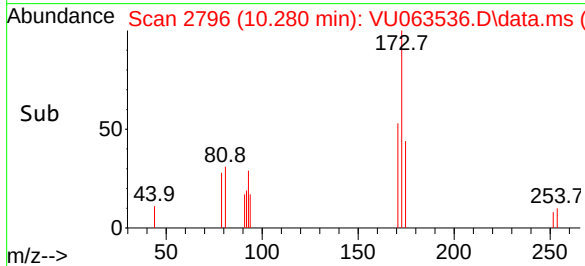
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



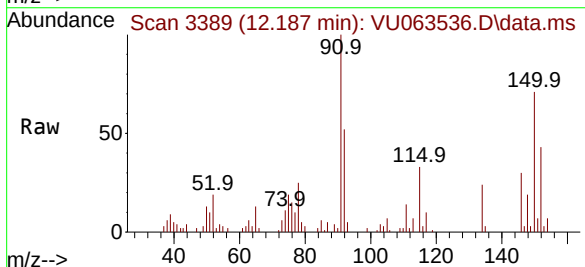
Tgt Ion:173 Resp: 2978
Ion Ratio Lower Upper
173 100
175 47.9 39.0 58.4
254 5.8 6.5 9.7

Manual Integrations
APPROVED

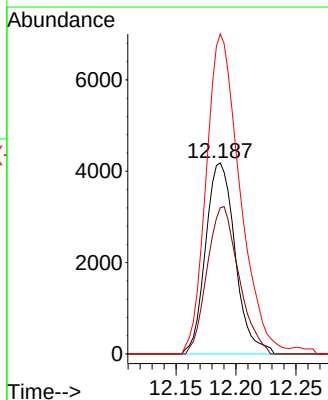
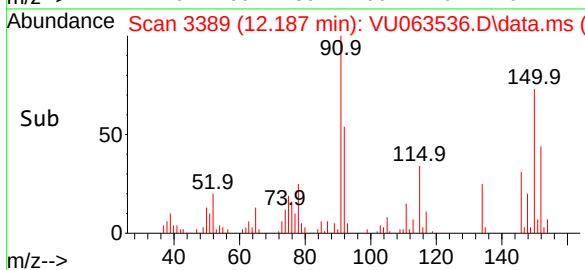
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

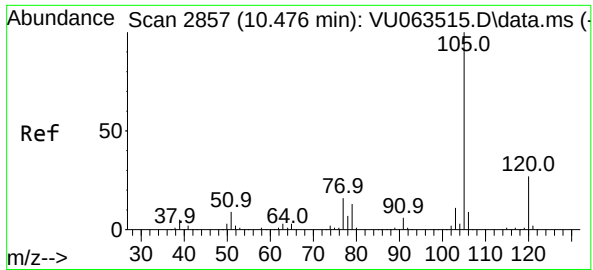


#68
1,2-Dichlorobenzene-d4
Concen: 1.061 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion:152 Resp: 7156
Ion Ratio Lower Upper
152 100
115 83.0 0.0 262.2
150 191.6 0.0 651.2





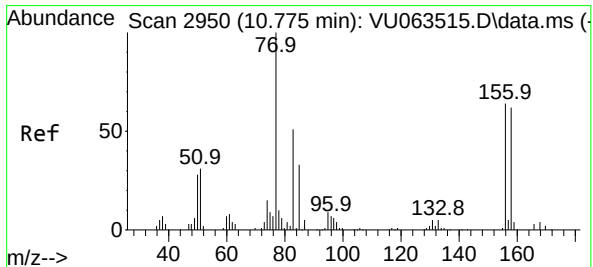
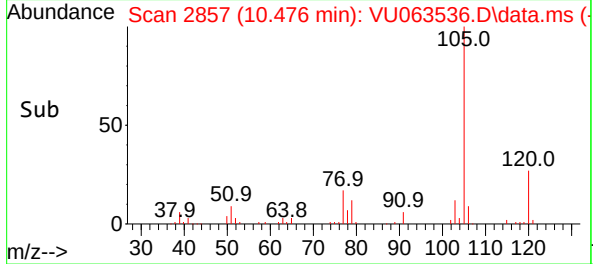
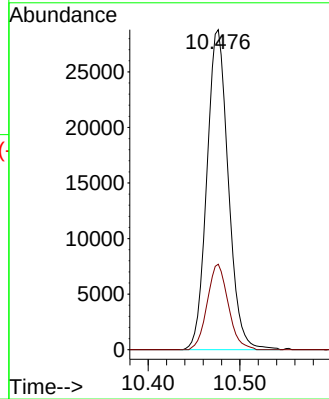
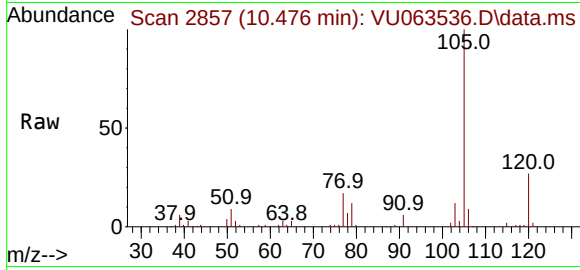
#69
Isopropylbenzene
Concen: 2.111 ug/l
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:105 Resp: 46699
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

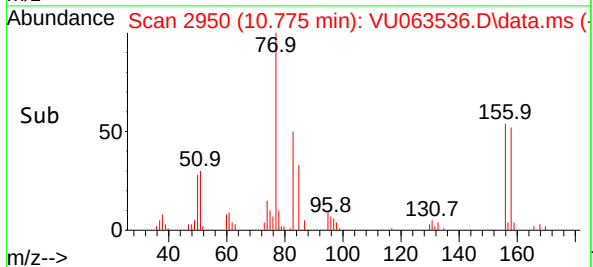
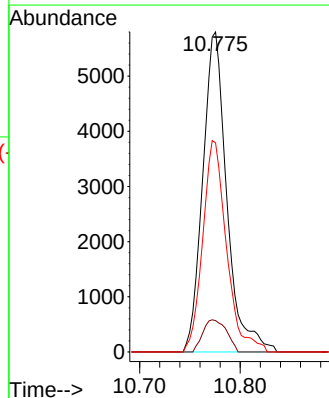
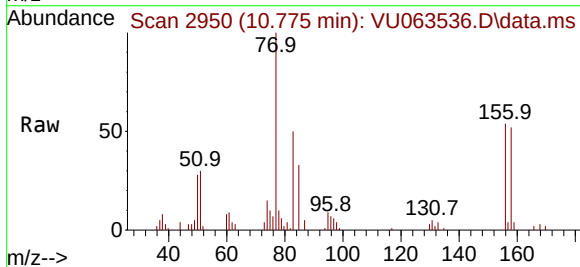
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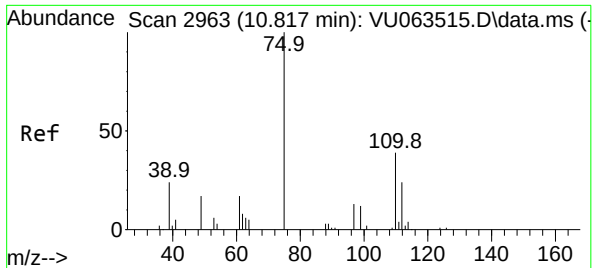
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#70
1,1,2,2-Tetrachloroethane
Concen: 2.143 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

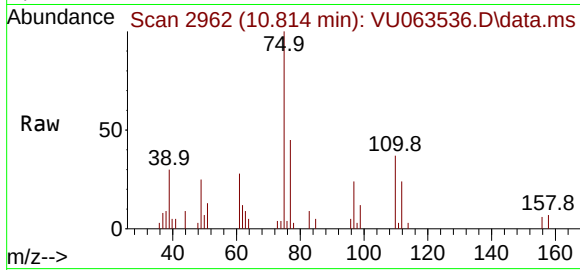
Tgt Ion: 83 Resp: 9660
Ion Ratio Lower Upper
83 100
131 9.9 8.4 12.6
85 65.2 51.9 77.9





#71
1,2,3-Trichloropropane
Concen: 2.236 ug/l m
RT: 10.814 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

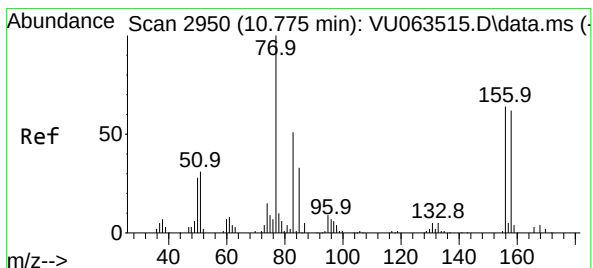
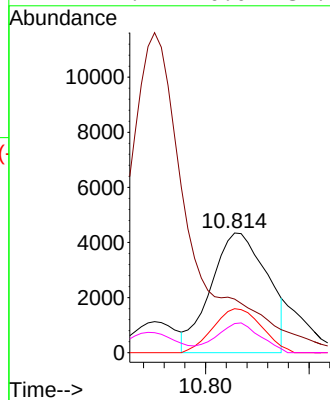
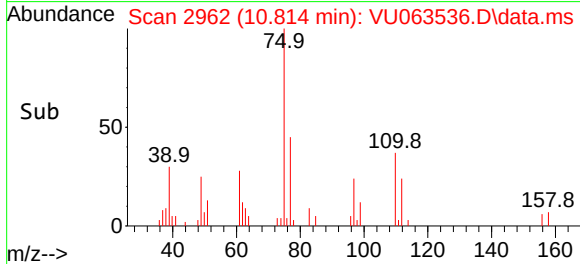
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



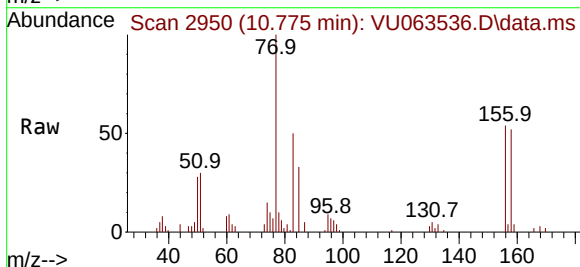
Tgt Ion: 75 Resp: 8180
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 31.8 0.0 73.2
97 19.1 0.0 37.6

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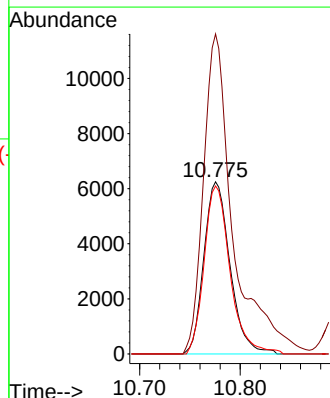
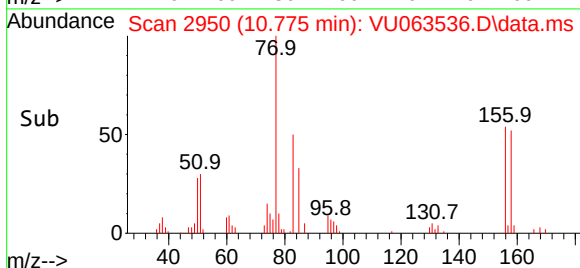
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

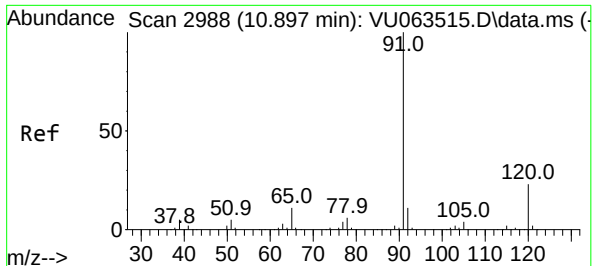


#72
Bromobenzene
Concen: 1.979 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion:156 Resp: 11298
Ion Ratio Lower Upper
156 100
77 210.3 0.0 315.2
158 96.8 0.0 195.4





#73

n-propylbenzene

Concen: 2.038 ug/l

RT: 10.898 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:120 Resp: 13570

Ion Ratio Lower Upper

120 100

91 469.5 343.1 514.7

Instrument :

MSVOA_U

ClientSampleId :

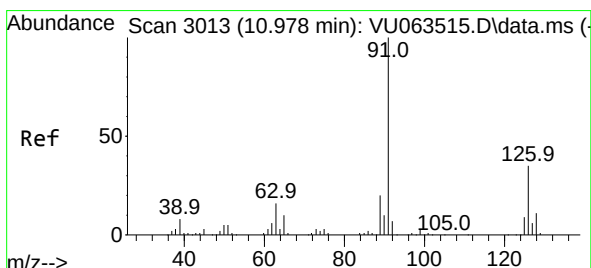
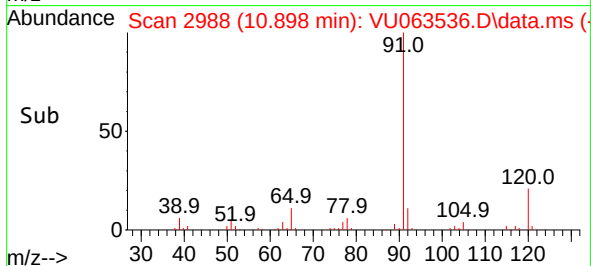
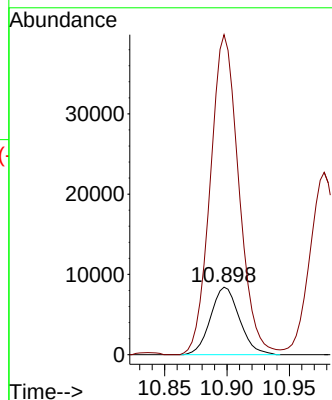
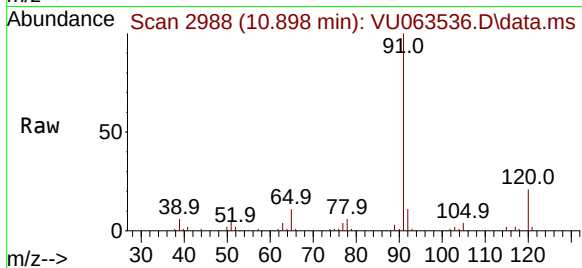
VU0718WBSD02

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#74

2-Chlorotoluene

Concen: 2.058 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063536.D

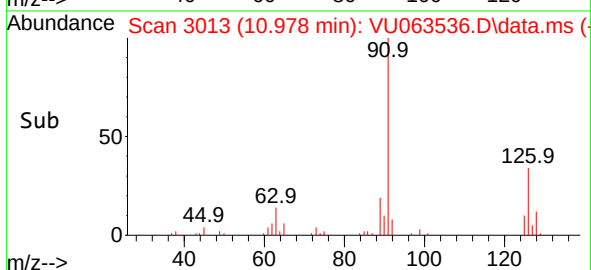
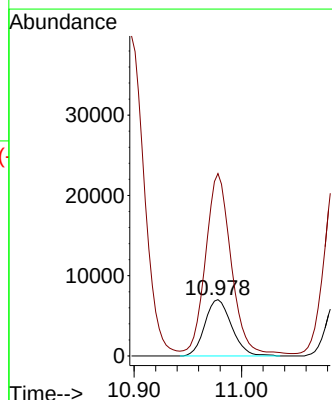
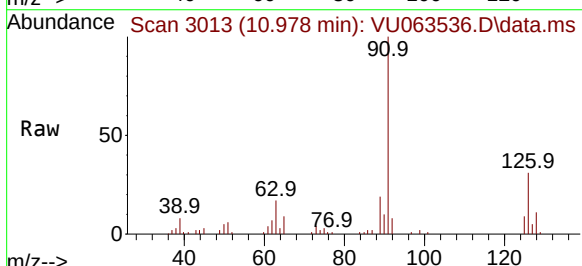
Acq: 18 Jul 2025 13:28

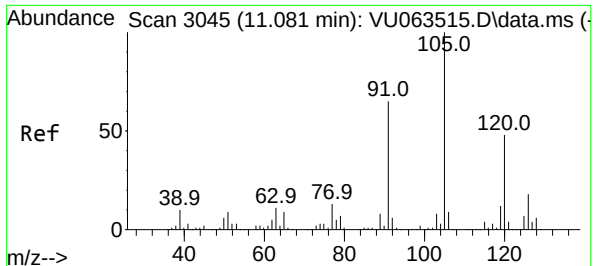
Tgt Ion:126 Resp: 12112

Ion Ratio Lower Upper

126 100

91 312.1 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 2.078 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:105 Resp: 4390

Ion Ratio Lower Upper

105 100

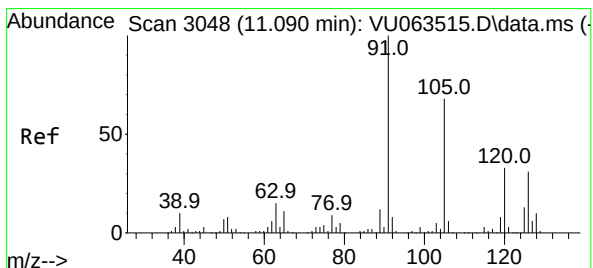
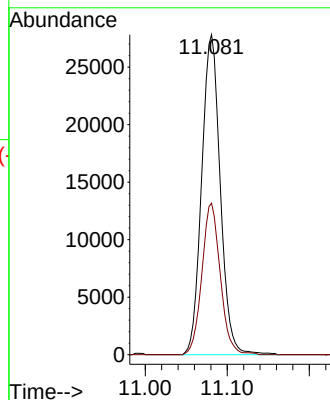
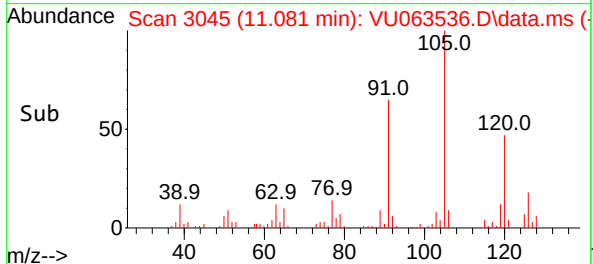
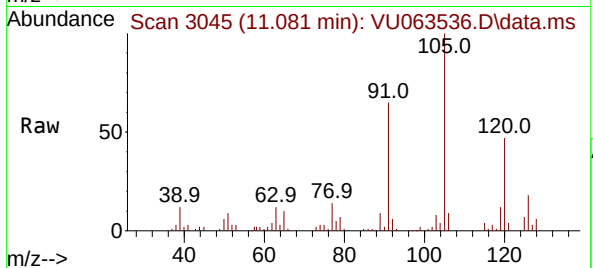
120 46.7 37.8 56.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/21/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#76

4-Chlorotoluene

Concen: 2.215 ug/l

RT: 11.091 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063536.D

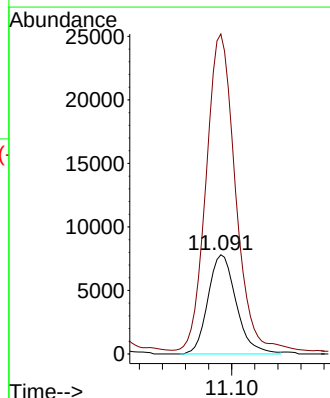
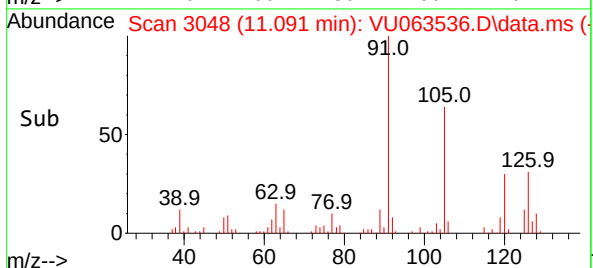
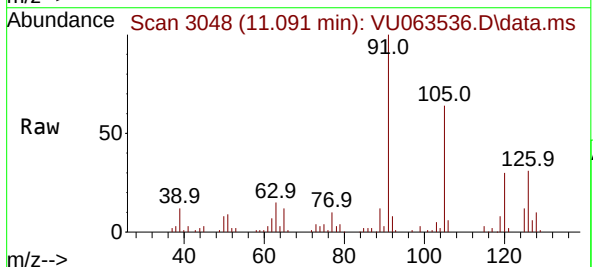
Acq: 18 Jul 2025 13:28

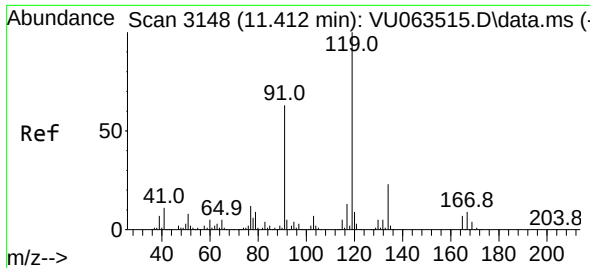
Tgt Ion:126 Resp: 13235

Ion Ratio Lower Upper

126 100

91 335.3 0.0 682.2





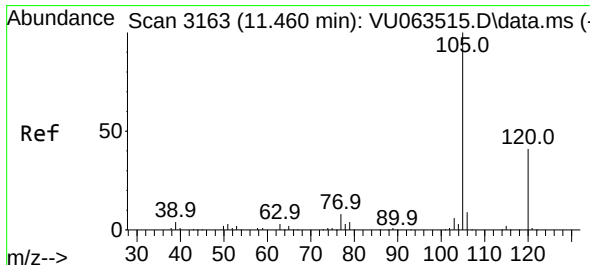
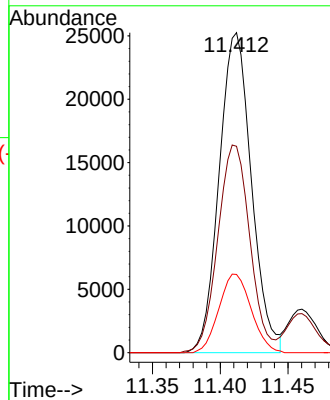
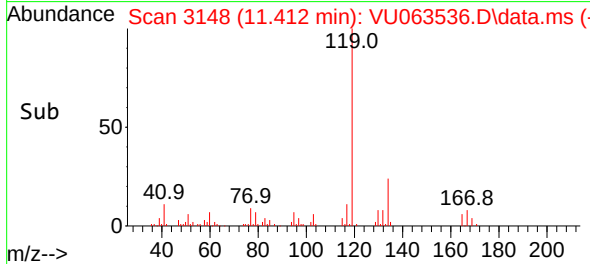
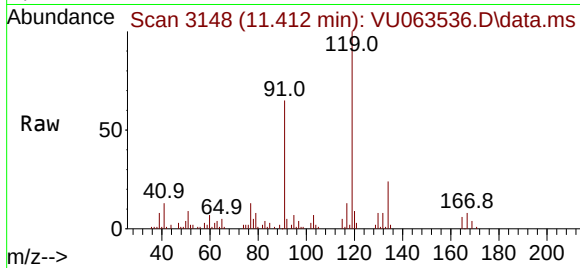
#77
tert-Butylbenzene
Concen: 2.072 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:119 Resp: 4183
Ion Ratio Lower Upper
119 100
91 64.6 30.7 92.1
134 24.5 18.5 27.7

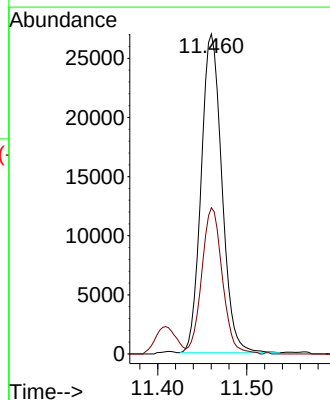
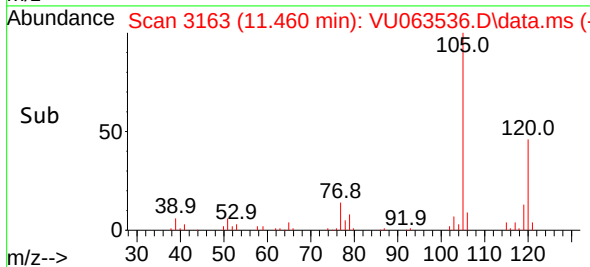
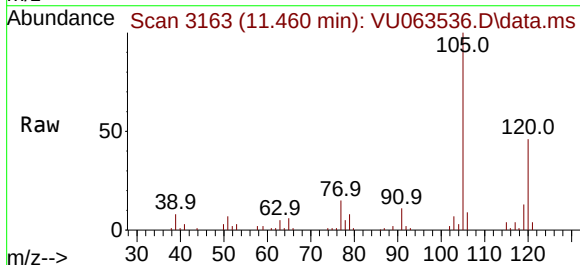
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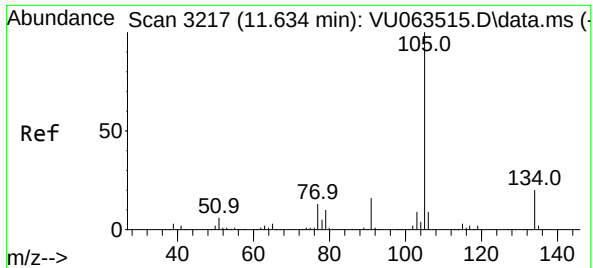
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#78
1,2,4-Trimethylbenzene
Concen: 2.075 ug/l
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion:105 Resp: 43487
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.0





#79

sec-Butylbenzene

Concen: 2.171 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0718WBSD02

Tgt Ion:105 Resp: 5911

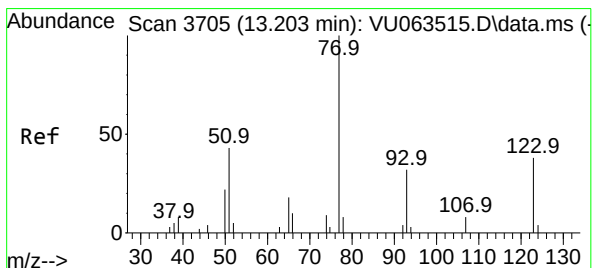
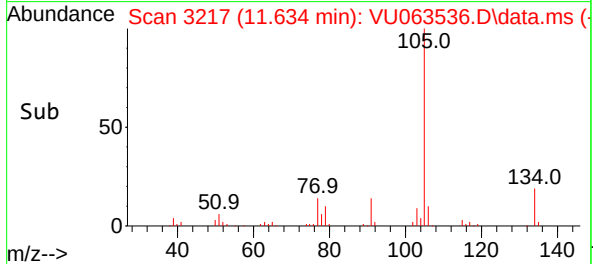
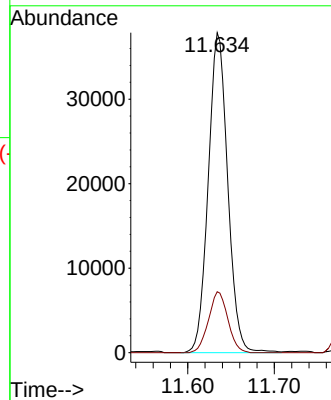
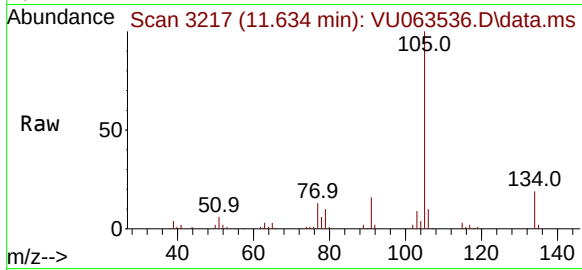
Ion Ratio Lower Upper

105 100

134 18.9 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

#80

Nitrobenzene

Concen: 9.336 ug/l m

RT: 13.209 min Scan# 3707

Delta R.T. 0.006 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

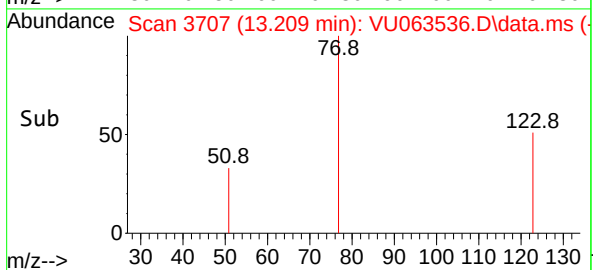
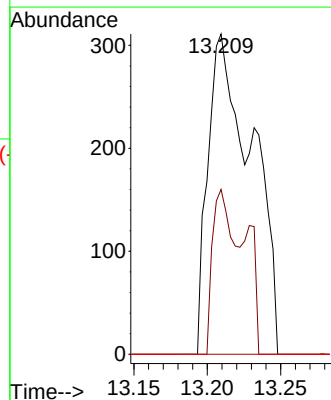
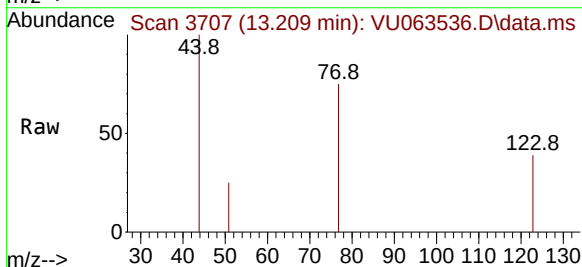
Tgt Ion: 77 Resp: 645

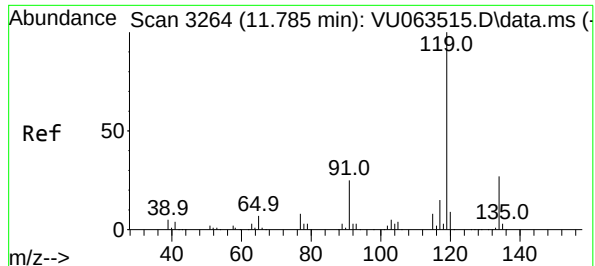
Ion Ratio Lower Upper

77 100

123 26.2 16.9 59.7

65 0.0 16.5 20.9#





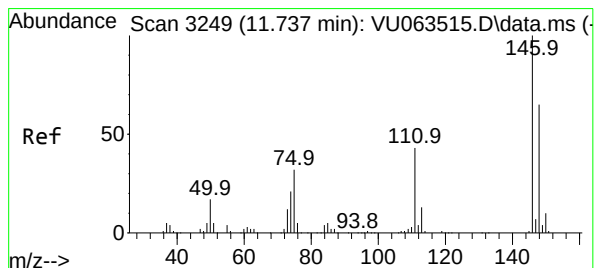
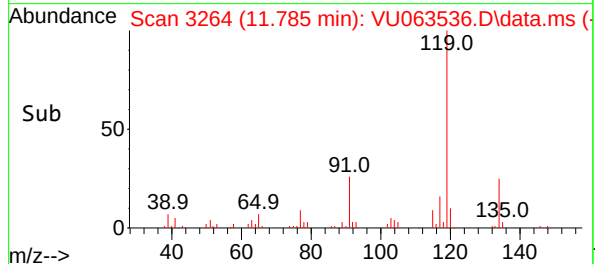
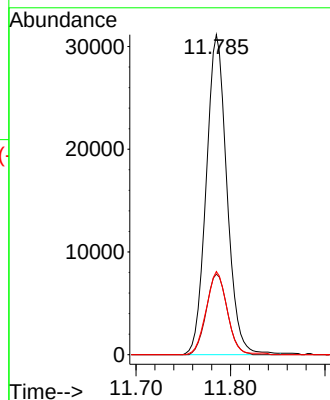
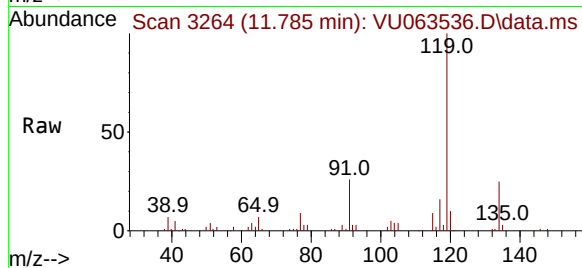
#81
p-Isopropyltoluene
Concen: 2.083 ug/l
RT: 11.785 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:119 Resp: 47339
Ion Ratio Lower Upper
119 100
134 25.5 21.1 31.7
91 26.1 19.8 29.8

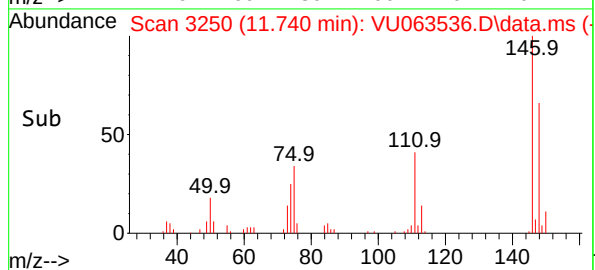
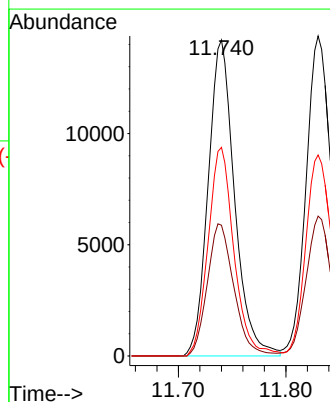
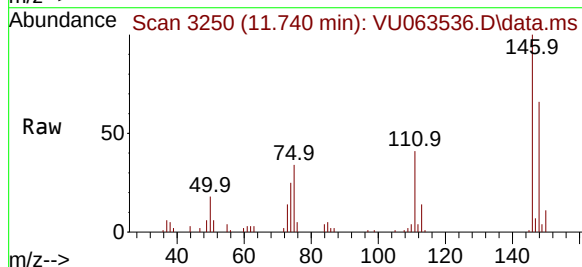
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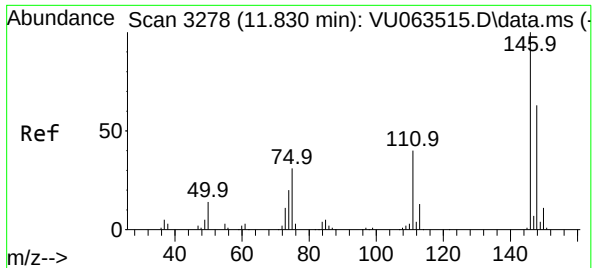
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#82
1,3-Dichlorobenzene
Concen: 2.119 ug/l
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

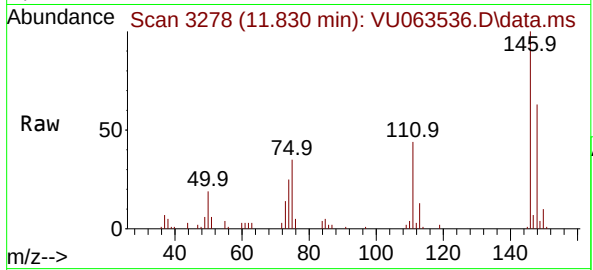
Tgt Ion:146 Resp: 24202
Ion Ratio Lower Upper
146 100
111 42.1 33.8 50.6
148 64.8 51.5 77.3





#83
1,4-Dichlorobenzene
Concen: 2.125 ug/l
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

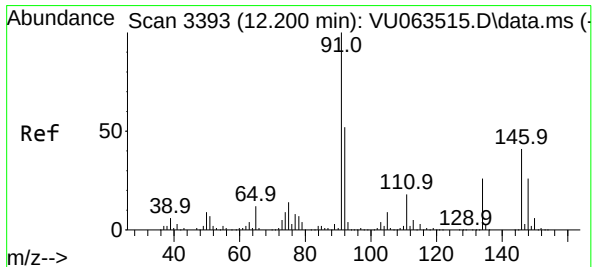
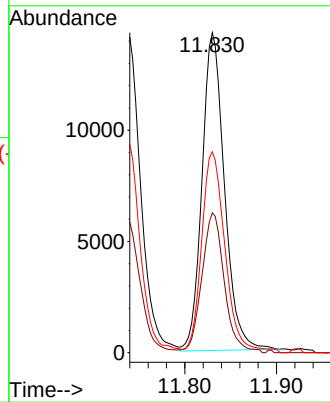
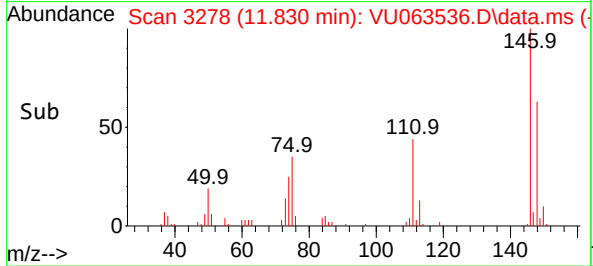
Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02



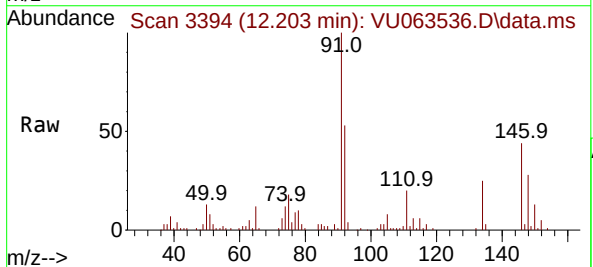
Tgt Ion:146 Resp: 2429
Ion Ratio Lower Upper
146 100
111 44.0 32.0 48.0
148 66.1 50.2 75.2

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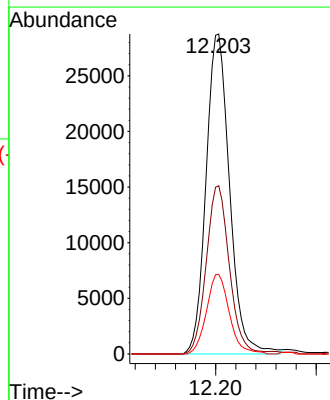
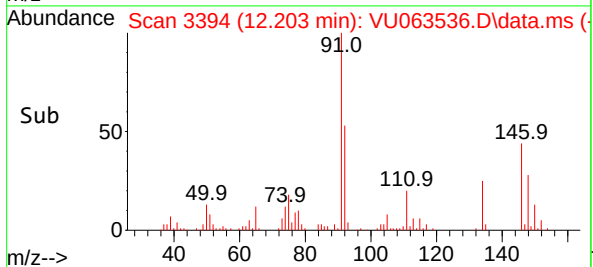
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

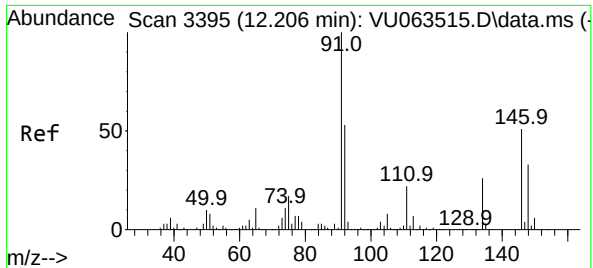


#84
n-Butylbenzene
Concen: 2.220 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28



Tgt Ion: 91 Resp: 46810
Ion Ratio Lower Upper
91 100
92 51.5 41.5 62.3
134 24.1 20.6 30.8





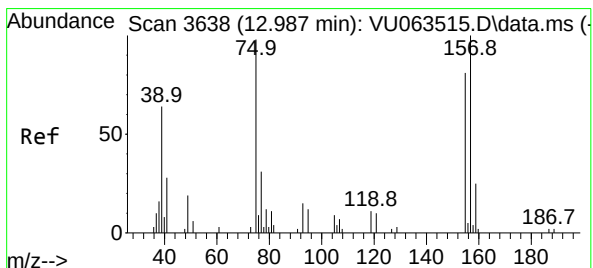
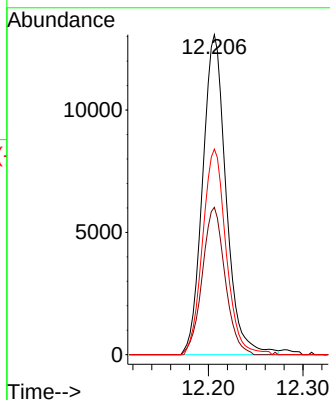
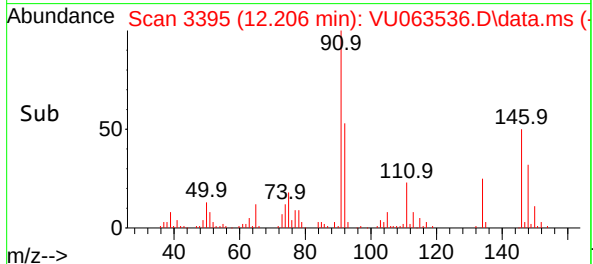
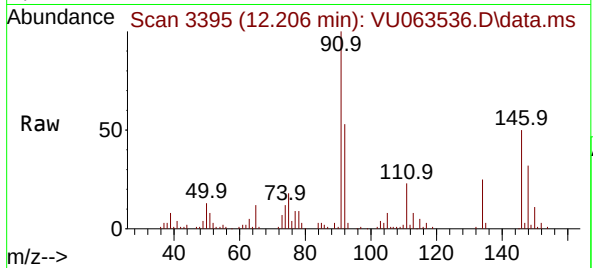
#85
1,2-Dichlorobenzene
Concen: 2.102 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0718WBSD02

Tgt Ion:146 Resp: 2255
Ion Ratio Lower Upper
146 100
111 44.7 21.7 65.1
148 64.3 31.8 95.3

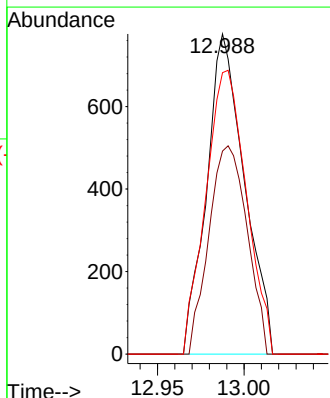
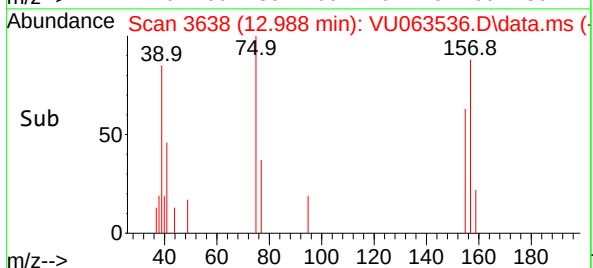
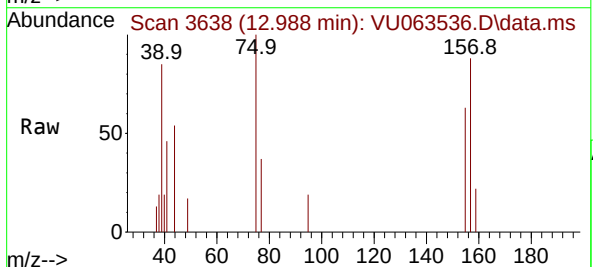
Manual Integrations
APPROVED

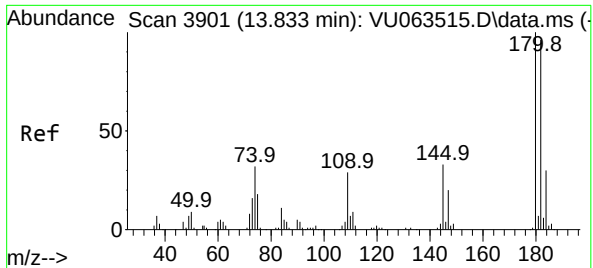
Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 2.002 ug/l
RT: 12.988 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VU063536.D
Acq: 18 Jul 2025 13:28

Tgt Ion: 75 Resp: 1179
Ion Ratio Lower Upper
75 100
155 65.8 65.8 98.6
157 95.0 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 2.016 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

ClientSampleId :

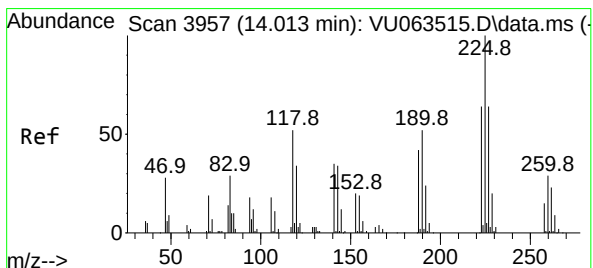
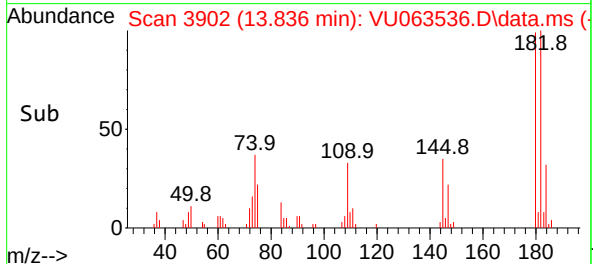
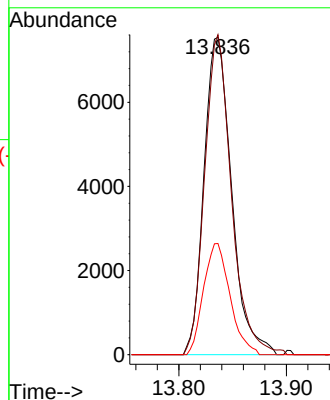
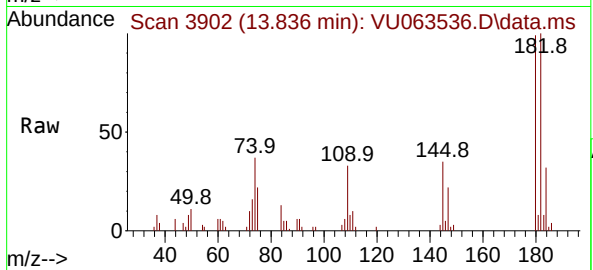
VU0718WBSD02

Tgt Ion:	180	Resp:	13450
Ion Ratio	Lower	Upper	
180	100		
182	97.9	76.2	114.4
145	33.6	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#88

Hexachlorobutadiene

Concen: 2.048 ug/l

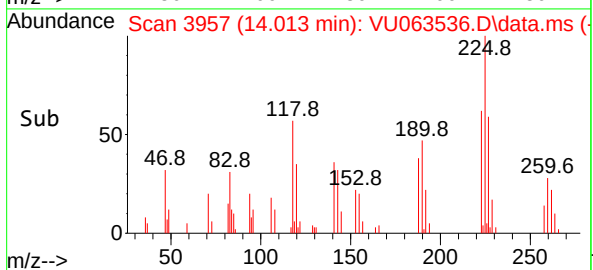
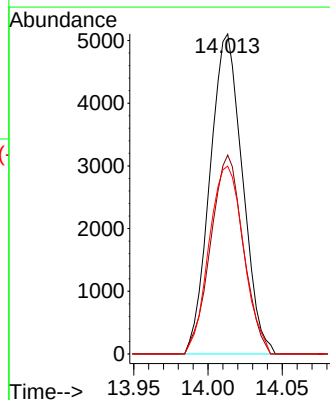
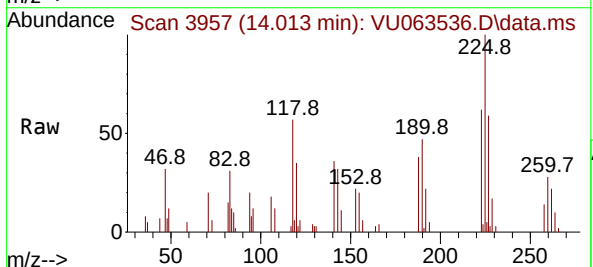
RT: 14.013 min Scan# 3957

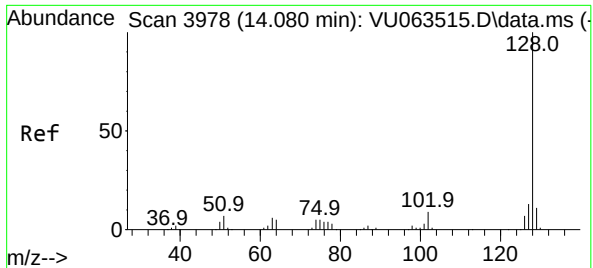
Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:	225	Resp:	7762
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.8	76.2
227	62.6	51.0	76.6





#89

Naphthalene

Concen: 2.106 ug/l

RT: 14.084 min Scan# 3978

Delta R.T. 0.004 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Instrument :

MSVOA_U

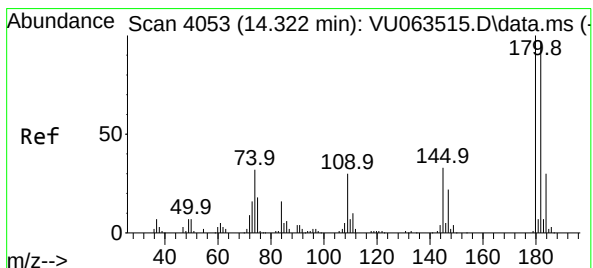
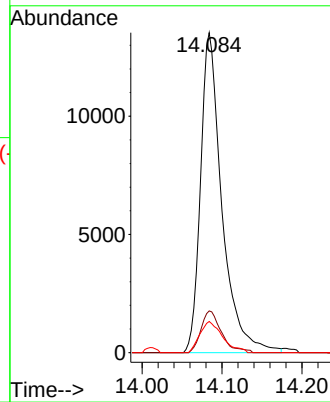
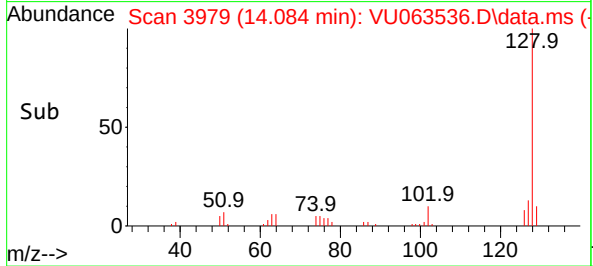
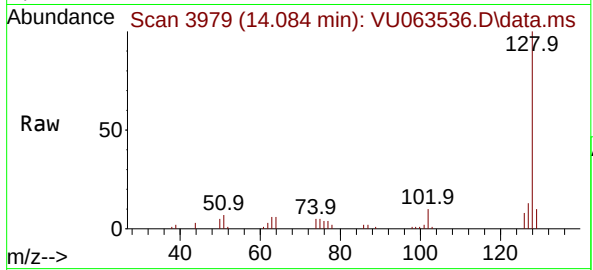
ClientSampleId :

VU0718WBSD02

Tgt Ion:128	Resp:	25184
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.2 15.4
129	10.4	8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#90

1,2,3-Trichlorobenzene

Concen: 2.080 ug/l

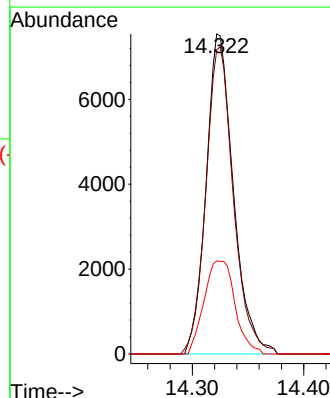
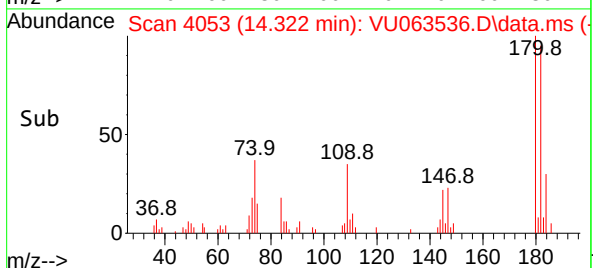
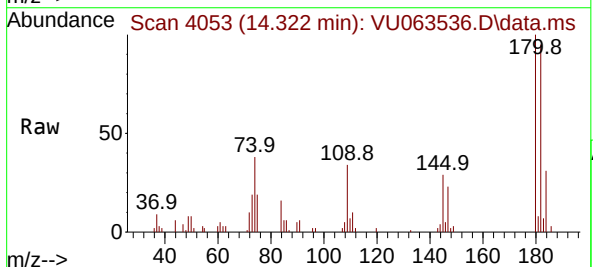
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063536.D

Acq: 18 Jul 2025 13:28

Tgt Ion:180	Resp:	12827
Ion Ratio	Lower	Upper
180	100	
182	96.9	78.0 117.0
145	32.9	27.3 40.9



Manual Integration Report

Sequence:	VU071625	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VU063511.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:18:34 AM	Sam	7/17/2025 8:26:15 AM	Peak Integrated by Software
VSTDICC0.5	VU063511.D	Acrylonitrile	MMDadod a	7/17/2025 8:18:34 AM	Sam	7/17/2025 8:26:15 AM	Peak Integrated by Software
VSTDICC0.5	VU063511.D	Methacrylonitrile	MMDadod a	7/17/2025 8:18:34 AM	Sam	7/17/2025 8:26:15 AM	Peak Integrated by Software
VSTDICC0.5	VU063511.D	Propionitrile	MMDadod a	7/17/2025 8:18:34 AM	Sam	7/17/2025 8:26:15 AM	Peak Integrated by Software
VSTDICC0.5	VU063511.D	t-1,4-Dichloro-2-butene	MMDadod a	7/17/2025 8:18:34 AM	Sam	7/17/2025 8:26:15 AM	Peak Integrated by Software
VSTDICC001	VU063512.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:18:32 AM	Sam	7/17/2025 8:26:16 AM	Peak Integrated by Software
VSTDICC001	VU063512.D	Nitrobenzene	MMDadod a	7/17/2025 8:18:32 AM	Sam	7/17/2025 8:26:16 AM	Peak Integrated by Software
VSTDICC001	VU063512.D	t-1,4-Dichloro-2-butene	MMDadod a	7/17/2025 8:18:32 AM	Sam	7/17/2025 8:26:16 AM	Peak Integrated by Software
VSTDICC002	VU063513.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:18:40 AM	Sam	7/17/2025 8:26:28 AM	Peak Integrated by Software
VSTDICC002	VU063513.D	Acrylonitrile	MMDadod a	7/17/2025 8:18:40 AM	Sam	7/17/2025 8:26:28 AM	Peak Integrated by Software
VSTDICC002	VU063513.D	t-1,4-Dichloro-2-butene	MMDadod a	7/17/2025 8:18:40 AM	Sam	7/17/2025 8:26:28 AM	Peak Integrated by Software
VSTDICC005	VU063514.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:18:42 AM	Sam	7/17/2025 8:26:34 AM	Peak Integrated by Software
VSTDICC005	VU063514.D	t-1,4-Dichloro-2-butene	MMDadod a	7/17/2025 8:18:42 AM	Sam	7/17/2025 8:26:34 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU071625	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VU063515.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:18:43 AM	Sam	7/17/2025 8:26:27 AM	Peak Integrated by Software
VSTDICCC010	VU063515.D	t-1,4-Dichloro-2-butene	MMDadoda	7/17/2025 8:18:43 AM	Sam	7/17/2025 8:26:27 AM	Peak Integrated by Software
VSTDICC015	VU063516.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:18:44 AM	Sam	7/17/2025 8:26:29 AM	Peak Integrated by Software
VSTDICC015	VU063516.D	t-1,4-Dichloro-2-butene	MMDadoda	7/17/2025 8:18:44 AM	Sam	7/17/2025 8:26:29 AM	Peak Integrated by Software
VSTDICV010	VU063517.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:18:46 AM	Sam	7/17/2025 8:26:29 AM	Peak Integrated by Software
VSTDICV010	VU063517.D	Nitrobenzene	MMDadoda	7/17/2025 8:18:46 AM	Sam	7/17/2025 8:26:29 AM	Peak Integrated by Software
VSTDICV010	VU063517.D	t-1,4-Dichloro-2-butene	MMDadoda	7/17/2025 8:18:46 AM	Sam	7/17/2025 8:26:29 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VU071825	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063532.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:56:28 PM	SAM	7/21/2025 2:01:31 PM	Peak Integrated by Software
VSTDCCC010	VU063532.D	t-1,4-Dichloro-2-butene	MMDadoda	7/21/2025 1:56:28 PM	SAM	7/21/2025 2:01:31 PM	Peak Integrated by Software
VU0718WBS02	VU063535.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:56:29 PM	SAM	7/21/2025 2:01:27 PM	Peak Integrated by Software
VU0718WBS02	VU063535.D	t-1,4-Dichloro-2-butene	MMDadoda	7/21/2025 1:56:29 PM	SAM	7/21/2025 2:01:27 PM	Peak Integrated by Software
VU0718WBSD02	VU063536.D	1,2,3-Trichloropropane	MMDadoda	7/21/2025 1:56:31 PM	SAM	7/21/2025 2:01:25 PM	Peak Integrated by Software
VU0718WBSD02	VU063536.D	Nitrobenzene	MMDadoda	7/21/2025 1:56:31 PM	SAM	7/21/2025 2:01:25 PM	Peak Integrated by Software
VU0718WBSD02	VU063536.D	t-1,4-Dichloro-2-butene	MMDadoda	7/21/2025 1:56:31 PM	SAM	7/21/2025 2:01:25 PM	Peak Integrated by Software
VSTDCCC010	VU063544.D	1,2,3-Trichloropropane	SAM	7/21/2025 2:01:33 PM	MMDadoda	7/21/2025 9:33:11 PM	Peak Integrated by Software
VSTDCCC010	VU063544.D	t-1,4-Dichloro-2-butene	SAM	7/21/2025 2:01:33 PM	MMDadoda	7/21/2025 9:33:11 PM	Peak Integrated by Software

Instrument ID: **MSVOA_U**

Daily Analysis Runlog For Sequence/QCBatch ID # VU071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:19:30 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:26:51 AM		
SubDirectory	VU071625	HP Acquire Method	MSVOA_U	HP Processing Method	524u071625dw.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134776			
Initial Calibration Stds		VP134778,VP134779,VP134780,VP134781,VP134782,VP134783			
CCC					
Internal Standard/PEM		VP134722			
ICV/I.BLK		VP134784			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063510.D	16 Jul 2025 08:13	MD/SY	Ok
2	VSTDICC0.5	VU063511.D	16 Jul 2025 09:24	MD/SY	Ok,M
3	VSTDICC001	VU063512.D	16 Jul 2025 09:54	MD/SY	Ok,M
4	VSTDICC002	VU063513.D	16 Jul 2025 10:27	MD/SY	Ok,M
5	VSTDICC005	VU063514.D	16 Jul 2025 11:00	MD/SY	Ok,M
6	VSTDICCC010	VU063515.D	16 Jul 2025 11:37	MD/SY	Ok,M
7	VSTDICC015	VU063516.D	16 Jul 2025 12:11	MD/SY	Ok,M
8	VSTDICV010	VU063517.D	16 Jul 2025 14:19	MD/SY	Ok,M

M : Manual Integration

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:56:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 9:34:13 PM		
SubDirectory	VU071825	HP Acquire Method	MSVOA_U	HP Processing Method	524u071625dw.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134835			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP134836,VP134837,RL-VP134838,VP134839			

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063531.D	18 Jul 2025 08:07	MD/SY	Ok
2	VSTDCCC010	VU063532.D	18 Jul 2025 09:11	MD/SY	Ok,M
3	VU0718WBL01	VU063533.D	18 Jul 2025 10:49	MD/SY	Ok
4	VU0718WBS01	VU063534.D	18 Jul 2025 11:20	MD/SY	Not Ok
5	VU0718WBS02	VU063535.D	18 Jul 2025 11:50	MD/SY	Ok,M
6	VU0718WBSD02	VU063536.D	18 Jul 2025 13:28	MD/SY	Ok,M
7	Q2552-11	VU063537.D	18 Jul 2025 15:24	MD/SY	Not Ok
8	Q2552-08	VU063538.D	18 Jul 2025 15:54	MD/SY	Dilution
9	Q2552-08DL	VU063539.D	18 Jul 2025 16:24	MD/SY	Ok
10	VIBLK	VU063540.D	18 Jul 2025 16:55	MD/SY	Ok
11	Q2552-07DL	VU063541.D	18 Jul 2025 17:25	MD/SY	Ok
12	RL-CHECK	VU063542.D	18 Jul 2025 17:56	MD/SY	Ok,M
13	RL-CHECK	VU063543.D	18 Jul 2025 18:26	MD/SY	Ok,M
14	VSTDCCC010	VU063544.D	18 Jul 2025 18:56	MD/SY	Ok,M

M : Manual Integration

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU071625

Review By	Maresh Dadoda	Review On	7/17/2025 8:19:30 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:26:51 AM
SubDirectory	VU071625	HP Acquire Method	MSVOA_U
		HP Processing Method	524u071625dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134776
Initial Calibration Stds	VP134778,VP134779,VP134780,VP134781,VP134782,VP134783
CCC	
Internal Standard/PEM	VP134722
ICV/I.BLK	VP134784
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063510.D	16 Jul 2025 08:13		MD/SY	Ok
2	VSTDICC0.5	VSTDICC0.5	VU063511.D	16 Jul 2025 09:24		MD/SY	Ok,M
3	VSTDICC001	VSTDICC001	VU063512.D	16 Jul 2025 09:54	LR - 10 And QR - 80,86	MD/SY	Ok,M
4	VSTDICC002	VSTDICC002	VU063513.D	16 Jul 2025 10:27		MD/SY	Ok,M
5	VSTDICC005	VSTDICC005	VU063514.D	16 Jul 2025 11:00		MD/SY	Ok,M
6	VSTDICCC010	VSTDICCC010	VU063515.D	16 Jul 2025 11:37		MD/SY	Ok,M
7	VSTDICC015	VSTDICC015	VU063516.D	16 Jul 2025 12:11		MD/SY	Ok,M
8	VSTDICV010	ICVVU071625	VU063517.D	16 Jul 2025 14:19	ICV failed for com.#13,69,80	MD/SY	Ok,M

M : Manual Integration

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU071825

Review By	Mahesh Dadoda	Review On	7/21/2025 1:56:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/21/2025 9:34:13 PM		
SubDirectory	VU071825	HP Acquire Method	MSVOA_U	HP Processing Method	524u071625dw.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134835			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP134836,VP134837,RL-VP134838,VP134839			

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063531.D	18 Jul 2025 08:07		MD/SY	Ok
2	VSTDCCC010	VSTDCCC010	VU063532.D	18 Jul 2025 09:11	524.2 PT study	MD/SY	Ok,M
3	VU0718WBL01	VU0718WBL01	VU063533.D	18 Jul 2025 10:49		MD/SY	Ok
4	VU0718WBS01	VU0718WBS01	VU063534.D	18 Jul 2025 11:20	Recovery failed	MD/SY	Not Ok
5	VU0718WBS02	VU0718WBS02	VU063535.D	18 Jul 2025 11:50		MD/SY	Ok,M
6	VU0718WBSD02	VU0718WBSD02	VU063536.D	18 Jul 2025 13:28		MD/SY	Ok,M
7	Q2552-11	WS0725-PT-EDBCP-W	VU063537.D	18 Jul 2025 15:24	prep error	MD/SY	Not Ok
8	Q2552-08	WS0725-PT-UNRVOA-	VU063538.D	18 Jul 2025 15:54	Need 4X(UNRVOA)	MD/SY	Dilution
9	Q2552-08DL	WS0725-PT-UNRVOA-	VU063539.D	18 Jul 2025 16:24		MD/SY	Ok
10	VIBLK	VIBLK	VU063540.D	18 Jul 2025 16:55		MD/SY	Ok
11	Q2552-07DL	WS0725-PT-RVOA-WS	VU063541.D	18 Jul 2025 17:25	RVOA	MD/SY	Ok
12	RL-CHECK	RL-CHECK	VU063542.D	18 Jul 2025 17:56	RL-0.5 ppb	MD/SY	Ok,M
13	RL-CHECK	RL-CHECK	VU063543.D	18 Jul 2025 18:26	RL-1.0 ppb	MD/SY	Ok,M
14	VSTDCCC010	VSTDCCC010EC	VU063544.D	18 Jul 2025 18:56		MD/SY	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q2552

Test : VOCMS Group2

Prepbatch ID :

Sequence ID/Qc Batch ID: VU071825,

Standard ID :

VP133953,VP134722,VP134723,VP134835,VP134836,VP134837,VP134839,

Chemical ID :

RL-VP134838,V13391,V13880,V14419,V14626,V14629,V14710,V14747,V14838,V15045,W3112,

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
05/21/2025								

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
552	524 Internal STD and Surrogate Mix, 5 PPM	VP134722	07/11/2025	12/31/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
07/23/2025								

FROM 0.02500ml of V15045 + 9.97500ml of V14629 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
553	524 Calibration CC Mix Working STD, 25 PPM	VP134723	07/11/2025	09/30/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/23/2025

FROM 0.12500ml of V13880 + 0.12500ml of V14419 + 0.12500ml of V14747 + 0.12500ml of V14838 + 0.25000ml of V14710 + 9.24500ml of V14629 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1736	BFB	VP134835	07/18/2025	07/19/2025	Maresh Dadoda	None	None	Semsettin Yesilyurt
								07/23/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1131	10 PPB CCC, 524.2	VP134836	07/18/2025	07/19/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
07/23/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP134722 + 0.01600ml of VP134723 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1131	10 PPB CCC, 524.2	VP134837	07/18/2025	07/19/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
07/23/2025								

FROM 39.97600ml of W3112 + 0.00800ml of VP134722 + 0.01600ml of VP134723 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1898	524 LOD LOQ, 1PPB	VP134839	07/18/2025	07/19/2025	Mahesh Dadoda	None	None	Semsettin Yesilyurt
FROM 39.99000ml of W3112 + 0.00160ml of VP134723 + 0.00800ml of VP134722 = Final Quantity: 40.000 ml								

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	564323 / Custom Oxygenates Standard	A0199211	06/16/2026	06/16/2025 / SAM	06/30/2023 / SAM	V13880

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30601 / VOA Mega Mix, Drinking Water VOA Mega Mix, 524.2 Rev 4.1, 1mL, 2000ug/mL P&TM	A0204639	10/17/2025	10/17/2024 / SAM	06/04/2024 / SAM	V14419

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	2310762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	2310762004	01/09/2026	07/07/2025 / SAM	11/26/2024 / SAM	V14629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/16/2025	06/16/2025 / SAM	12/17/2024 / SAM	V14710

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	12/16/2025	06/16/2025 / SAM	12/17/2024 / SAM	V14747

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	560065 / Custom Standard, 524 Std w/ COC [CS 8005]	A0220861	01/31/2026	06/16/2025 / SAM	01/16/2025 / SAM	V14838

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30201 / VOA Mix,500 series method, 524 Internal Std., 2000ug/mL. P&TM, 1mL/ampul	A0223883	07/11/2026	07/11/2025 / SAM	07/01/2025 / SAM	V15045

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
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500 Series for Drinking Water
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Country of Origin: USA
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Ken Koehnlein
Sr. Manager, Quality Assurance



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

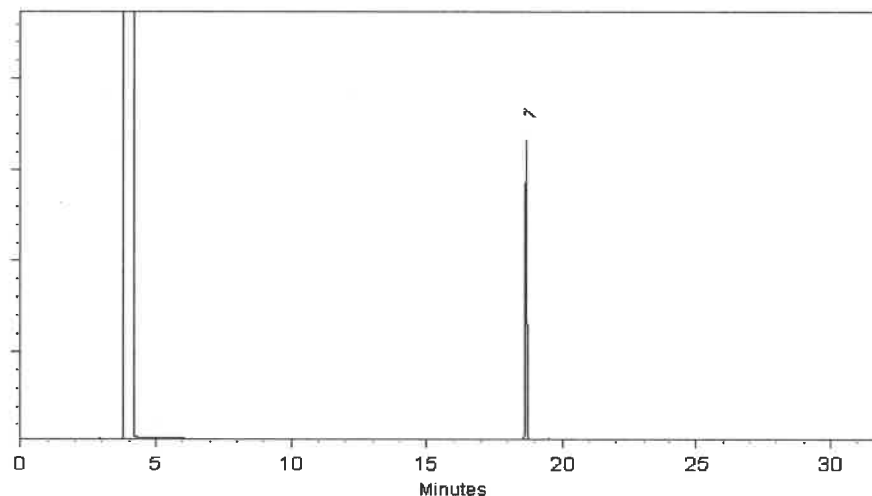
FID

Split Vent:

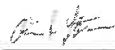
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 564323 **Lot No.:** A0199211

Description : Custom Oxygenates Standard

Custom Oxygenates Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	101619K21F-1	99%	10,093.2 µg/mL	+/- 125.6116
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,011.0 µg/mL	+/- 25.0950
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,009.8 µg/mL	+/- 25.0800
4	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	2,009.2 µg/mL	+/- 25.0726
5	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	2,010.4 µg/mL	+/- 25.0878

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

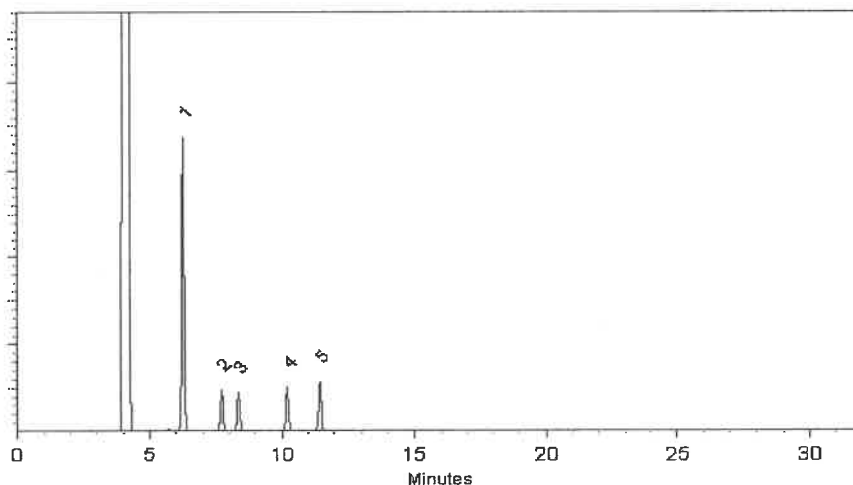
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Bryan Snyder - Operations Tech I

Date Mixed: 22-Jun-2023

Balance Serial # 1128342314


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30601 **Lot No.:** A0204639

Description : Drinking Water VOA MegaMix™, 524.2 Rev 4.1
Drinking Water VOA Mega Mix 524.2 Rev 4.1, 2000µg/mL, P&T
Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,016.9 µg/mL	+/- 70.1908
2	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,009.6 µg/mL	+/- 69.9229
3	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,016.5 µg/mL	+/- 70.1787
4	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	2,017.0 µg/mL	+/- 69.7168
5	Methylene chloride (dichloromethane)	75-09-2	231383	99%	2,013.2 µg/mL	+/- 70.0499
6	Carbon disulfide	75-15-0	N28F701	99%	2,017.0 µg/mL	+/- 70.1961
7	Acrylonitrile	107-13-1	102466R02E	99%	2,017.1 µg/mL	+/- 70.1995
8	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,017.0 µg/mL	+/- 69.7168
9	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,011.9 µg/mL	+/- 70.0038
10	1,1-Dichloroethane	75-34-3	852900	99%	2,010.5 µg/mL	+/- 69.9560
11	Propionitrile	107-12-0	BCCH7430	99%	2,017.0 µg/mL	+/- 70.1943
12	2,2-Dichloropropane	594-20-7	RD230426	99%	2,013.2 µg/mL	+/- 70.0652
13	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,014.0 µg/mL	+/- 70.0903
14	Methacrylonitrile	126-98-7	1012014	99%	2,015.7 µg/mL	+/- 70.1491
15	Methyl acrylate	96-33-3	SHBG6616V	99%	2,019.0 µg/mL	+/- 70.2639
16	chloroform	67-66-3	SHBN8469	99%	2,009.7 µg/mL	+/- 69.9273

17	Bromochloromethane	74-97-5	230810JLM	99%	2,016.0	µg/mL	+/- 70.1613
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	2,019.6	µg/mL	+/- 70.2865
19	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,011.1	µg/mL	+/- 69.9769
20	1-Chlorobutane (Butyl chloride)	109-69-3	SHBC2651V	99%	2,015.0	µg/mL	+/- 69.6476
21	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,018.9	µg/mL	+/- 70.2629
22	carbon tetrachloride	56-23-5	SHBP4875	99%	2,011.5	µg/mL	+/- 69.9890
23	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,008.7	µg/mL	+/- 69.8916
24	Benzene	71-43-2	MKCS3357	99%	2,017.4	µg/mL	+/- 70.2100
25	Trichloroethene	79-01-6	SHBN3720	99%	2,008.3	µg/mL	+/- 69.8786
26	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,012.1	µg/mL	+/- 70.0117
27	Methyl methacrylate	80-62-6	MKCQ2756	99%	2,017.7	µg/mL	+/- 70.2204
28	Chloroacetonitrile	107-14-2	MKBG6249V	99%	2,006.0	µg/mL	+/- 69.3366
29	bromodichloromethane	75-27-4	MKCF8470	99%	2,012.6	µg/mL	+/- 70.0273
30	Dibromomethane	74-95-3	10233302	99%	2,014.7	µg/mL	+/- 70.1153
31	2-Nitropropane	79-46-9	BCCB9352	97%	2,015.9	µg/mL	+/- 70.1562
32	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,005.0	µg/mL	+/- 69.7655
33	Toluene	108-88-3	MKCS9989	99%	2,019.0	µg/mL	+/- 70.2643
34	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,015.4	µg/mL	+/- 70.1393
35	trans-1,3-Dichloropropene	10061-02-6	RD230727RSR	99%	2,011.3	µg/mL	+/- 69.9838
36	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,013.2	µg/mL	+/- 70.0491
37	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,017.1	µg/mL	+/- 70.2002
38	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,011.5	µg/mL	+/- 69.9908
39	dibromochloromethane	124-48-1	MKCQ4517	99%	2,006.6	µg/mL	+/- 69.8185
40	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,009.0	µg/mL	+/- 69.9176
41	Chlorobenzene	108-90-7	SHBN6640	99%	2,009.8	µg/mL	+/- 69.9299
42	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,013.8	µg/mL	+/- 70.0833
43	Ethylbenzene	100-41-4	094632L21G	99%	2,006.8	µg/mL	+/- 69.8411
44	m-Xylene	108-38-3	SHBN6673	99%	2,018.7	µg/mL	+/- 70.2559
45	p-Xylene	106-42-3	SHBP5191	99%	2,008.0	µg/mL	+/- 69.8828
46	o-Xylene	95-47-6	SHBN5105	99%	2,016.3	µg/mL	+/- 70.1724
47	Styrene	100-42-5	MKCQ3390	99%	2,014.8	µg/mL	+/- 70.1209
48	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,011.4	µg/mL	+/- 70.0026
49	bromoform	75-25-2	050494L04R	99%	2,009.6	µg/mL	+/- 69.9255
50	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	2,011.7	µg/mL	+/- 69.9986
51	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,013.8	µg/mL	+/- 70.0841
52	trans-1,4-dichloro-2-butene	110-57-6	RP231113CTH	94%	2,017.2	µg/mL	+/- 69.7251

53	n-Propylbenzene	103-65-1	095067T18C	99%	2,018.4	µg/mL	+/- 70.2434
54	Bromobenzene	108-86-1	MKCQ7174	99%	2,016.9	µg/mL	+/- 70.1919
55	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,017.0	µg/mL	+/- 70.1961
56	2-Chlorotoluene	95-49-8	235783M23T	99%	2,017.8	µg/mL	+/- 70.2253
57	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,014.1	µg/mL	+/- 70.0958
58	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,005.2	µg/mL	+/- 69.7868
59	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,015.9	µg/mL	+/- 70.1571
60	Pentachloroethane	76-01-7	13550700	97%	2,012.8	µg/mL	+/- 69.5699
61	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,011.0	µg/mL	+/- 69.9872
62	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,014.6	µg/mL	+/- 70.1111
63	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,003.2	µg/mL	+/- 69.7020
64	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,015.0	µg/mL	+/- 70.1108
65	n-Butylbenzene	104-51-8	09418JJ	99%	2,005.3	µg/mL	+/- 69.7882
66	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,009.0	µg/mL	+/- 69.9020
67	Hexachloroethane	67-72-1	QTORH	99%	2,016.0	µg/mL	+/- 69.6822
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,005.1	µg/mL	+/- 69.7821
69	Nitrobenzene	98-95-3	10224044	99%	2,017.9	µg/mL	+/- 70.2256
70	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,015.0	µg/mL	+/- 70.1251
71	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,001.7	µg/mL	+/- 69.6639
72	Naphthalene	91-20-3	STBL1057	99%	2,008.9	µg/mL	+/- 69.9149
73	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,012.3	µg/mL	+/- 70.0318

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

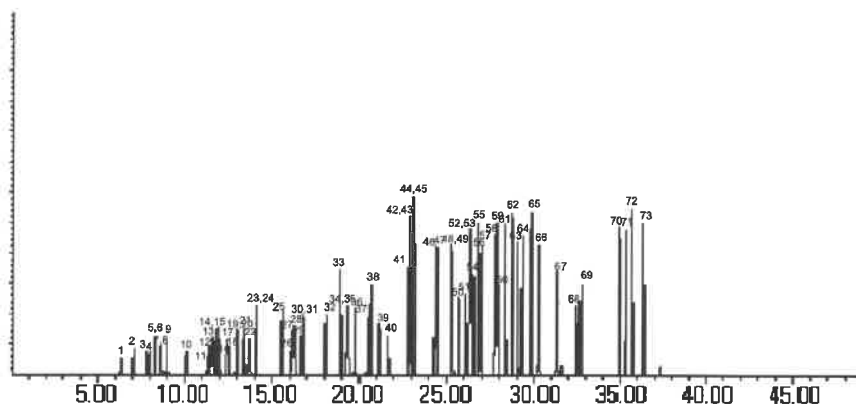
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 20-Nov-2023

Balance Serial # 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 29-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

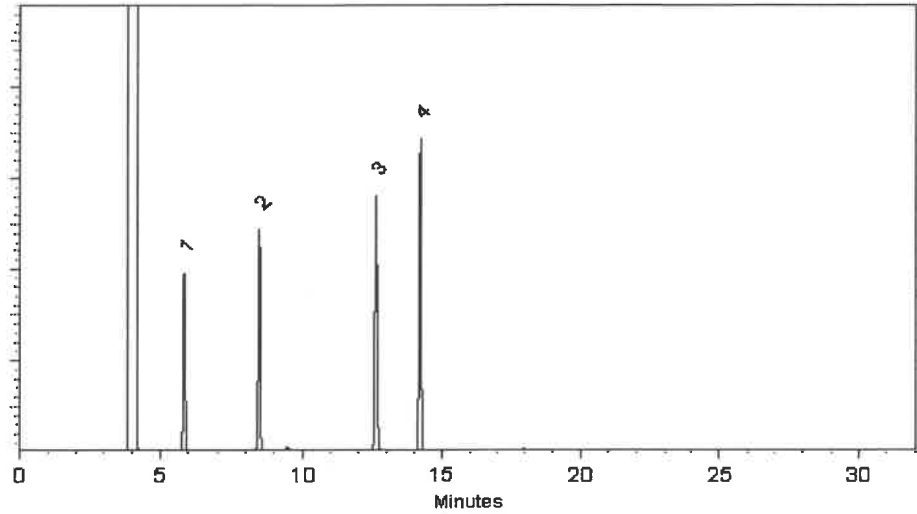
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

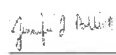


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

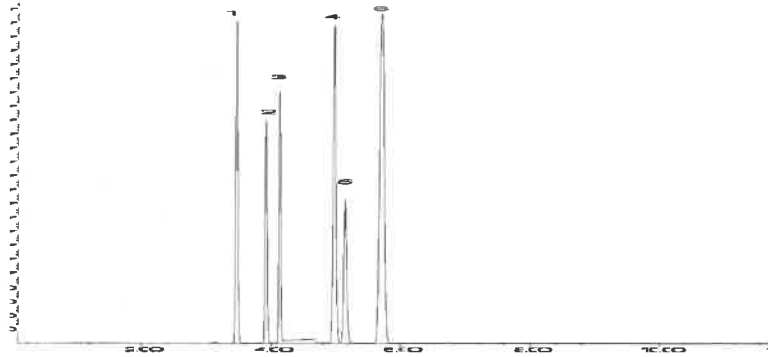
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

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chromatographic

V14837 to
V14841



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 560065

Lot No.: A0220861

Description : Custom 524 Standard

Custom 524 Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : January 31, 2026

Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00022779	99%	2,009.0 µg/mL	+/- 69.4402
2	tert-Butanol (TBA)	75-65-0	SHBR5545	99%	10,036.0 µg/mL	+/- 346.8674
3	Acrylonitrile	107-13-1	102466R02E	99%	2,015.0 µg/mL	+/- 69.6476
4	Propionitrile	107-12-0	BCCL0691	99%	8,074.0 µg/mL	+/- 279.0744
5	Tetrahydrofuran	109-99-9	SHBR7392	99%	2,009.0 µg/mL	+/- 69.4402
6	Cyclohexane	110-82-7	SHBS0091	99%	2,014.0 µg/mL	+/- 69.6131
7	Methylcyclohexane	108-87-2	SHBR3777	99%	2,015.0 µg/mL	+/- 69.6476
8	Methyl methacrylate	80-62-6	MKCQ2756	99%	2,011.0 µg/mL	+/- 69.5094
9	trans-1,4-dichloro-2-butene	110-57-6	RD240719ECSB	97%	2,013.7 µg/mL	+/- 69.6034
10	Nitrobenzene	98-95-3	10224044	99%	8,026.0 µg/mL	+/- 277.4153

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

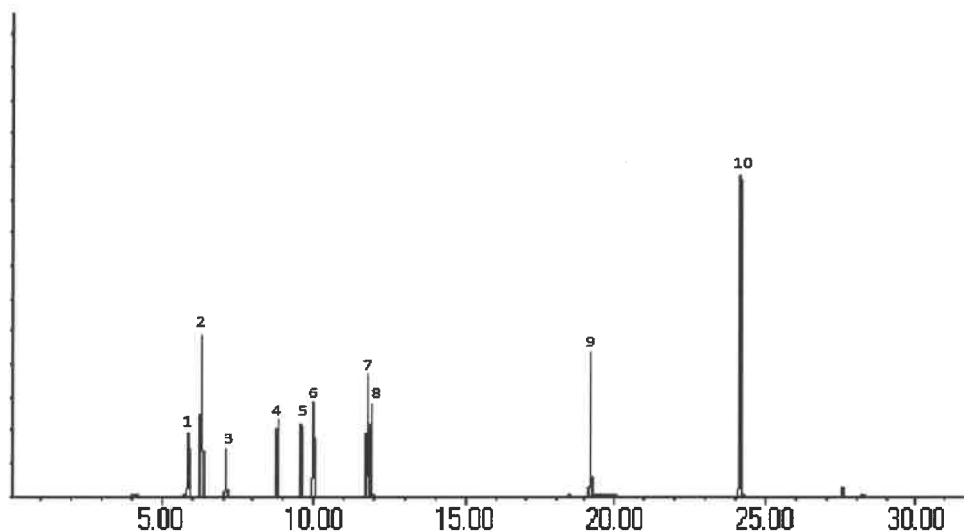
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Cralghead - Mix Technician

Date Mixed: 07-Jan-2025

Balance Serial # 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 10-Jan-2025



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

chromatographic plus

V15045 to V15049



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30201 **Lot No.:** A0223883
Description : 524 Internal Std / Surrogate Mix
524 Internal Std/Surrogate Mix 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2032 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Fluorobenzene	462-06-6	BCBZ5549	99%	2,002.0 µg/mL	+/- 112.4750
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,003.3 µg/mL	+/- 112.5499
3	1,2-Dichlorobenzene-d4	2199-69-1	PR-32597	99%	2,006.0 µg/mL	+/- 112.6997

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
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- 6
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- 15
- 16



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Packing List

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Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Date	Order #
07/07/2025	333292



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

7/9/25 10:00

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-2553	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-TM-WS	WS Trace Metals 1	WS0725	9101-04
1	1	0	PT-HG-WS	WS Trace Metals Mercury	WS0725	9101-05
1	1	0	PT-MIN-WS	WS Minerals Only	WS0725	9101-51
1	1	0	PT-TURB-WS	WS Turbidity	WS0725	9101-13
1	1	0	PT-SIO2-WS	WS Silica	WS0725	9101-17
1	1	0	PT-RVOA-WS	WS Regulated Volatiles	WS0725	9101-21
1	1	0	PT-UNRVOA-WS	WS Unregulated Volatiles	WS0725	9101-22
1	1	0	PT-THM-WS	WS Trihalomethanes	WS0725	9101-23
1	1	0	PT-EDBCP-WS	WS EDB/DBCP/TCP	WS0725	9101-27
1	1	0	PT-ADD-WS	WS Gasoline Additives	WS0725	9101-36

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488